

MOTION GAS SPRINGS

PRODUCT CATALOG

TABLE OF CONTENTS

INTRODUCTION	1
OPERATING PRINCIPLES OF GAS SPRINGS.....	2
GENERAL ADVICE FOR INSTALLATION.....	3
CARBON STEEL GAS SPRINGS	4
STAINLESS STEEL GAS SPRINGS.....	14
WELDED EYELET GAS SPRINGS.....	18
TENSION GAS SPRINGS.....	20



INTRODUCTION

We have the ability and expertise to engineer gas-springs to meet the requirements of each customer. Gas springs can also be manufactured as per the customer's unique specifications.

We welcome your special / odd / small and high volume requirements. We will respond to all enquiries in a timely fashion.

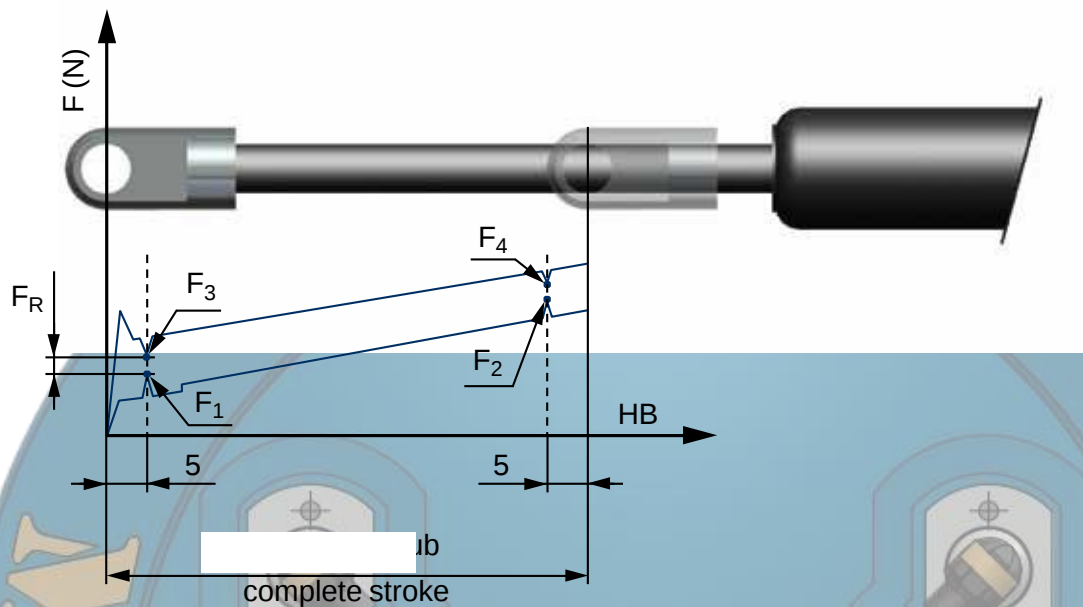
Email us or use our contact form for your enquiry. Ask about our polished stainless steel lifts for that unique look, corrosive environments or food grade equipment.

If you are looking for replacements for Spring Lift gas springs we can help. We can provide replacements for gas springs manufactured by Spring Lift / Lift Easy / Easy lift and many others.

- ☐ We specialize in compression type gas charged lift supports / gas springs.
- ☐ We are capable of reconditioning and adjusting the force output of almost any gas spring.
- ☐ We manufacture Custom Gas Springs for rare, obsolete or specific application requirements.
- ☐ Custom manufacturing of gas springs for testing in proto type design applications.
- ☐ We carry a wide selection of new gas springs available in any pressure to fit any applications.
- ☐ Automotive, industrial, agricultural, office chairs, recreational vehicles, photocopiers and more.
- ☐ All our products and services are available with a timely turn around to help you with your projects that require immediate attention... large and small.

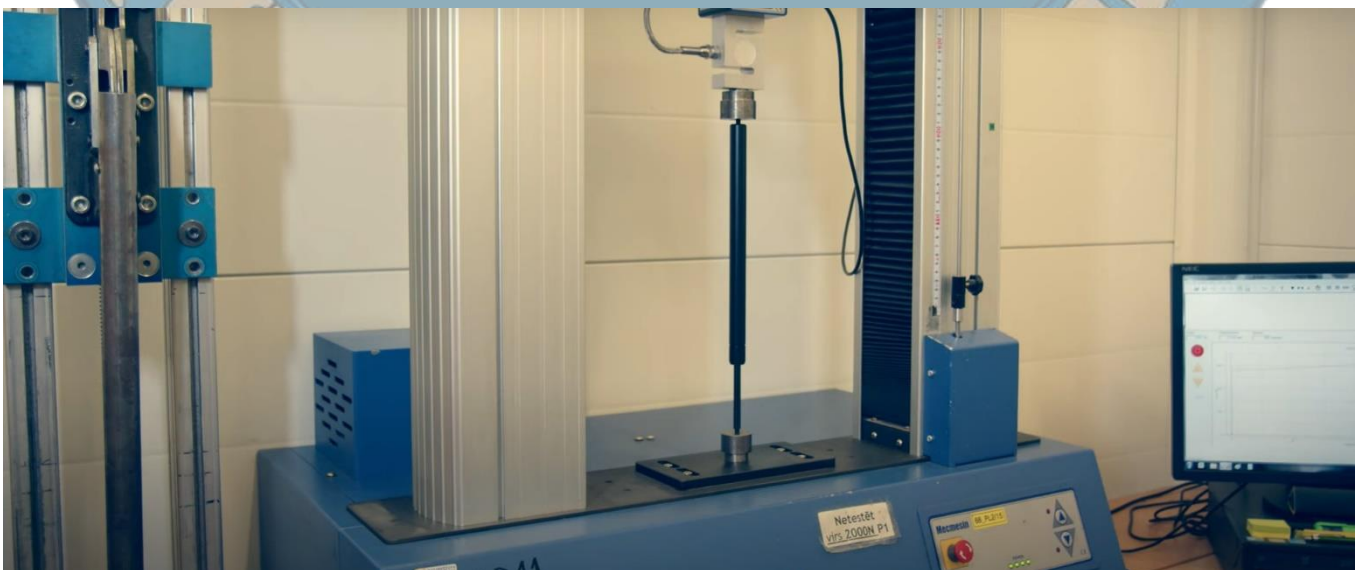


Force diagramme

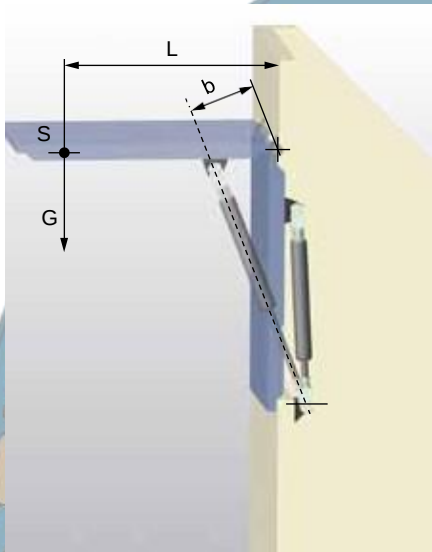


The theoretical extension force is the result of the filling pressure multiplied by the cross-sectional area of the piston rod. Weforma gas springs are filled to a pressure determined in accordance with the customer's requirements (extension force F_1). The extension force always refers to the value F_1 , measured at $20^\circ\text{C} \pm 2^\circ\text{C}$ and with a downwards facing piston rod.

- F_1 = extension force with extended piston rod
- F_2 = extension force with compressed piston rod
- F_3 = insertion force with extended piston rod
- F_4 = insertion force with compressed piston rod
- F_R = frictional force



GENERAL ADVICE FOR INSTALL



For the selection and/or order the following information is required:

Ordering Example	
WM-G-19-100-K2G4-XXXXX-XXXX	
WM-G	Gas Springs
WM-GZ	Gas traction springs
WM-GVA	Stainless Steel Gas Springs
19	19mm diameter
100	Stroke
K0G0	Thread
K2	Piston rod - Angle joint
G4	Housing - Spherical end bearing
Code	Code is assigned by Weforma



CARBON STEEL GAS SPRINGS

6x15 Standard Gas Springs

CARBON STEEL

6/15 Series STOCK No.	Extended Length [A]		Stroke [S]		Compressed Length [C]		Shoulder Length [B]	
	mm	Inches	mm	Inches	mm	Inches	mm	Inches
LFT15-165	165	6.5	48	1.9	117	4.6	129	5.1
LFT15-170	170	6.7	50	2.0	120	4.7	134	5.3
LFT15-190	190	7.5	58	2.3	132	5.2	154	6.1
LFT15-196	196	7.7	60	2.4	136	5.4	160	6.3
LFT15-215	215	8.5	72	2.8	143	5.6	179	7.0
LFT15-225	225	8.9	76	3.0	149	5.9	189	7.4
LFT15-235	235	9.3	82	3.2	153	6.0	199	7.8
LFT15-245	245	9.6	90	3.5	155	6.1	209	8.2
LFT15-246	246	9.7	90	3.5	156	6.1	210	8.3
LFT15-255	255	10.0	91	3.6	164	6.5	219	8.6
LFT15-275	275	10.8	104	4.1	171	6.7	239	9.4
LFT15-286	286	11.3	85	3.3	201	7.9	250	9.8
LFT15-295	295	11.6	115	4.5	180	7.1	259	10.2
LFT15-305	305	12.0	112	4.4	193	7.6	269	10.6
LFT15-315	315	12.4	121	4.8	194	7.6	279	11.0
LFT15-330	330	13.0	130	5.1	200	7.9	294	11.6
LFT15-355	355	14.0	135	5.3	220	8.7	319	12.6
LFT15-366	366	14.4	147	5.8	219	8.6	330	13.0
LFT15-375	375	14.8	150	5.9	225	8.9	339	13.3
LFT15-380	380	15.0	150	5.9	230	9.1	344	13.5
LFT15-395	395	15.6	155	6.1	240	9.4	359	14.1
LFT15-410	410	16.1	170	6.7	240	9.4	374	14.7
LFT15-430	430	16.9	175	6.9	255	10.0	394	15.5
LFT15-435	435	17.1	177	7.0	258	10.2	399	15.7

Force Range | 50 - 400N (10 - 90 lb)

- Extended length is the centre-centre length measured with standard 18mm end fittings. Using other end fittings may alter the overall length.
- We can manufacture any size gas spring in 6x15 up to a maximum stroke of 250mm.

6/15 Series STOCK No.	Extended Length [A]		Stroke [S]		Compressed Length [C]		Shoulder Length [B]	
	mm	Inches	mm	Inches	mm	Inches	mm	Inches
LFT15-455	455	17.9	192	7.6	263	10.4	419	16.5
LFT15-475	475	18.7	190	7.5	285	11.2	439	17.3
LFT15-490	490	19.3	200	7.9	290	11.4	454	17.9
LFT15-501	501	19.7	215	8.5	286	11.3	465	18.3
LFT15-508	508	20.0	203	8.0	305	12.0	472	18.6
LFT15-515	515	20.3	230	9.1	285	11.2	479	18.9
LFT15-530	530	20.9	220	8.7	310	12.2	494	19.4
LFT15-575	575	22.6	250	9.8	325	12.8	539	21.0

Force Range| 50 - 400N (10 - 90 lb)

- ☐ Extended length is the centre-centre length measured with standard 18mm end fittings. Using other end fittings may alter the overall length.
- ☐ We can manufacture any size gas spring in 6x15 up to a maximum stroke of 250mm.



8x18 Standard Gas Springs

CARBON STEEL

8/18 Series STOCK No.	Extended Length [A]		Stroke [S]		Compressed Length [C]		Shoulder Length [B]	
	mm	Inches	mm	Inches	mm	Inches	mm	Inches
LFT18-175	175	6.9	50	2.0	125	4.9	139	5.5
LFT18-178	178	7.0	50	2.0	128	5.0	142	5.6
LFT18-182	182	7.2	50	2.0	132	5.2	146	5.7
LFT18-190	190	7.5	58	2.3	132	5.2	154	6.1
LFT18-205	205	8.1	60	2.4	145	5.7	169	6.7
LFT18-210	210	8.3	70	2.8	140	5.5	174	6.9
LFT18-215	215	8.5	75	3.0	140	5.5	179	7.0
LFT18-230	230	9.1	72	2.8	158	6.2	194	7.6
LFT18-240	240	9.4	80	3.1	160	6.3	204	8.0
LFT18-245	245	9.6	80	3.1	165	6.5	209	8.2
LFT18-250	250	9.8	85	3.3	165	6.5	214	8.4
LFT18-255	255	10.0	90	3.5	165	6.5	219	8.6
LFT18-260	260	10.2	94	3.7	166	6.5	224	8.8
LFT18-265	265	10.4	94	3.7	171	6.7	229	9.0
LFT18-275	275	10.8	100	3.9	175	6.9	239	9.4
LFT18-280	280	11.0	104	4.1	176	6.9	244	9.6
LFT18-285	285	11.2	105	4.1	180	7.1	249	9.8
LFT18-290	290	11.4	108	4.3	182	7.2	254	10.0
LFT18-303	303	11.9	108	4.3	195	7.7	267	10.5
LFT18-305	305	12.0	110	4.3	195	7.7	269	10.6
LFT18-310	310	12.2	118	4.6	192	7.6	274	10.8
LFT18-315	315	12.4	122	4.8	193	7.6	279	11.0
LFT18-319	319	12.6	125	4.9	194	7.6	283	11.1
LFT18-325	325	12.8	125	4.9	200	7.9	289	11.4
LFT18-330	330	13.0	130	5.1	200	7.9	294	11.6
LFT18-340	340	13.4	134	5.3	206	8.1	304	12.0
LFT18-345	345	13.6	129	5.1	216	8.5	309	12.2
LFT18-348	348	13.7	136	5.4	212	8.3	312	12.3
LFT18-355	355	14.0	135	5.3	220	8.7	319	12.6
LFT18-360	360	14.2	145	5.7	215	8.5	324	12.8

Force Range | 50 - 750N (10 - 170 lb)

- ☐ Extended length is the centre-centre length measured with standard 18mm end fittings. Using other end fittings may alter the overall length.
- ☐ We can manufacture any size gas spring in 8x18 up to a maximum stroke of 385mm.

8/18 Series STOCK No.	Extended Length [A]		Stroke [S]		Compressed Length [C]		Shoulder Length [B]	
	mm	Inches	mm	Inches	mm	Inches	mm	Inches
LFT18-375	375	14.8	150	5.9	225	8.9	339	13.3
LFT18-382	382	15.0	154	6.1	228	9.0	346	13.6
LFT18-387	387	15.2	154	6.1	233	9.2	351	13.8
LFT18-390	390	15.4	160	6.3	230	9.1	354	13.9
LFT18-395	395	15.6	160	6.3	235	9.3	359	14.1
LFT18-400	400	15.7	165	6.5	235	9.3	364	14.3
LFT18-405	405	15.9	167	6.6	238	9.4	369	14.5
LFT18-410	410	16.1	170	6.7	240	9.4	374	14.7
LFT18-430	430	16.9	175	6.9	255	10.0	394	15.5
LFT18-437	437	17.2	180	7.1	257	10.1	401	15.8
LFT18-450	450	17.7	182	7.2	268	10.6	414	16.3
LFT18-458	458	18.0	190	7.5	268	10.6	422	16.6
LFT18-470	470	18.5	192	7.6	278	10.9	434	17.1
LFT18-485	485	19.1	205	8.1	280	11.0	449	17.7
LFT18-490	490	19.3	200	7.9	290	11.4	454	17.9
LFT18-500	500	19.7	210	8.3	290	11.4	464	18.3
LFT18-500 M8	500	19.7	200	7.9	300	11.8	464	18.3
LFT18-505	505	19.9	205	8.1	300	11.8	469	18.5
LFT18-510	510	20.1	210	8.3	300	11.8	474	18.7
LFT18-520	520	20.5	215	8.5	305	12.0	484	19.1
LFT18-525	525	20.7	220	8.7	305	12.0	489	19.3
LFT18-530	530	20.9	220	8.7	310	12.2	494	19.4
LFT18-550	550	21.7	240	9.4	310	12.2	514	20.2
LFT18-560	560	22.0	220	8.7	340	13.4	524	20.6
LFT18-575	575	22.6	250	9.8	325	12.8	539	21.2
LFT18-585	585	23.0	250	9.8	335	13.2	549	21.6
LFT18-600	600	23.6	260	10.2	340	13.4	564	22.2
LFT18-610	610	24.0	270	10.6	340	13.4	574	22.6
LFT18-620	620	24.4	270	10.6	350	13.8	584	23.0
LFT18-630	630	24.8	280	11.0	350	13.8	594	23.4
LFT18-640	640	25.2	280	11.0	360	14.2	604	23.8
LFT18-657	657	25.9	290	11.4	367	14.4	621	24.4
LFT18-668	668	26.3	298	11.7	370	14.6	632	24.9
LFT18-680	680	26.8	302	11.9	378	14.9	644	25.4

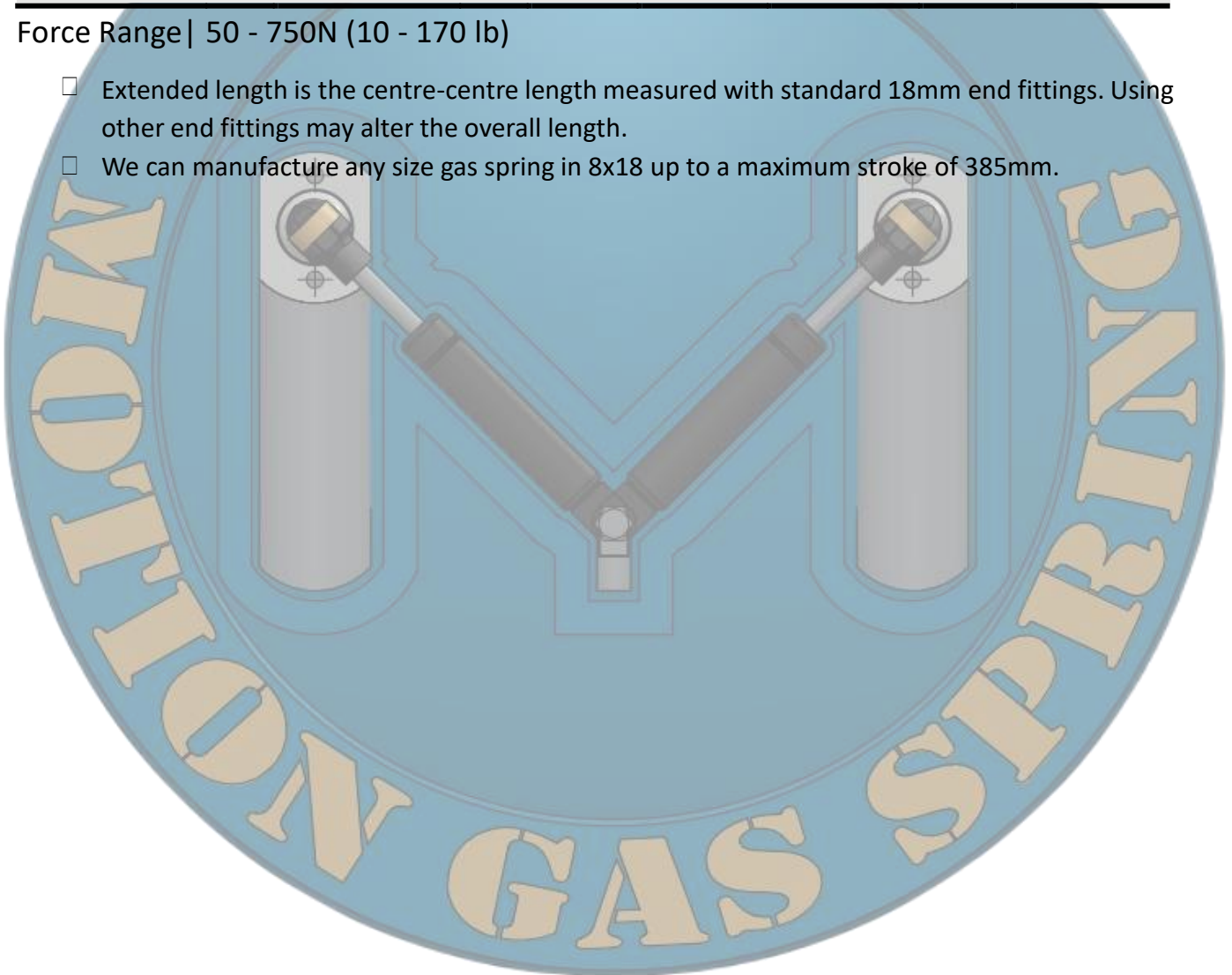
Force Range | 50 - 750N (10 - 170 lb)

- ☐ Extended length is the centre-centre length measured with standard 18mm end fittings. Using other end fittings may alter the overall length.
- ☐ We can manufacture any size gas spring in 8x18 up to a maximum stroke of 385mm.

8/18 Series STOCK No.	Extended Length [A]		Stroke [S]		Compressed Length [C]		Shoulder Length [B]	
	mm	Inches	mm	Inches	mm	Inches	mm	Inches
LFT18-690	690	27.2	310	12.2	380	15.0	654	25.7
LFT18-710	710	28.0	305	12.0	405	15.9	674	26.5
LFT18-725	725	28.5	315	12.4	410	16.1	689	27.1
LFT18-735	735	28.9	325	12.8	410	16.1	699	27.5
LFT18-750	750	29.5	335	13.2	415	16.3	714	28.1
LFT18-775	775	30.5	285	11.2	490	19.3	739	29.1
LFT18-785	785	30.9	350	13.8	435	17.1	749	29.5
LFT18-805	805	31.7	340	13.4	465	18.3	769	30.3

Force Range | 50 - 750N (10 - 170 lb)

- ☐ Extended length is the centre-centre length measured with standard 18mm end fittings. Using other end fittings may alter the overall length.
- ☐ We can manufacture any size gas spring in 8x18 up to a maximum stroke of 385mm.



10x22 Standard Gas Springs

CARBON STEEL

10/22 Series STOCK No.	Extended Length [A]		Stroke [S]		Compressed Length [C]		Shoulder Length [B]	
	mm	Inches	mm	Inches	mm	Inches	mm	Inches
LFT22-182	182	7.2	52	2.0	130	5.1	142	5.6
LFT22-190	190	7.5	58	2.3	132	5.2	150	5.9
LFT22-247	247	9.7	88	3.5	159	6.3	207	8.1
LFT22-275	275	10.8	100	3.9	175	6.9	235	9.3
LFT22-305	305	12.0	115	4.5	190	7.5	265	10.4
LFT22-312	312	12.3	100	3.9	212	8.3	272	10.7
LFT22-328	328	12.9	125	4.9	203	8.0	288	11.3
LFT22-336	336	13.2	130	5.1	206	8.1	296	11.7
LFT22-344	344	13.5	118	4.6	226	8.9	304	12.0
LFT22-350	350	13.8	137	5.4	213	8.4	310	12.2
LFT22-375	375	14.8	150	5.9	225	8.9	335	13.2
LFT22-390	390	15.4	155	6.1	235	9.3	350	13.8
LFT22-395	395	15.6	159	6.3	236	9.3	355	14.0
LFT22-405	405	15.9	165	6.5	240	9.4	365	14.4
LFT22-422	422	16.6	160	6.3	262	10.3	382	15.0
LFT22-424 M6	424	16.7	164	6.5	260	10.2	384	15.1
LFT22-430	430	16.9	177	7.0	253	10.0	390	15.4
LFT22-437	437	17.2	155	6.1	282	11.1	397	15.6
LFT22-450	450	17.7	187	7.4	263	10.4	410	16.1
LFT22-460	460	18.1	190	7.5	270	10.6	420	16.5
LFT22-470	470	18.5	197	7.8	273	10.7	430	16.9
LFT22-485	485	19.1	200	7.9	285	11.2	445	17.5
LFT22-490	490	19.3	207	8.1	283	11.1	450	17.7
LFT22-502	502	19.8	200	7.9	302	11.9	462	18.2
LFT22-505	505	19.9	210	8.3	295	11.6	465	18.3
LFT22-510	510	20.1	220	8.7	290	11.4	470	18.5
LFT22-525	525	20.7	225	8.9	300	11.8	485	19.1
LFT22-530	530	20.9	230	9.1	300	11.8	490	19.3
LFT22-540	540	21.3	230	9.1	310	12.2	500	19.7

Force Range | 90 – 1200N (20 – 270 lb)

- Extended length is the centre-centre length measured with standard 20mm end fittings. Using other end fittings may alter the overall length.
- We can manufacture any size gas spring in 10x22 up to a maximum stroke of 500mm.

10/22 Series STOCK No.	Extended Length [A]		Stroke [S]		Compressed Length [C]		Shoulder Length [B]	
	mm	Inches	mm	Inches	mm	Inches	mm	Inches
LFT22-540	540	21.3	230	9.1	310	12.2	500	19.7
LFT22-550	550	21.7	235	9.3	315	12.4	510	20.1
LFT22-560	560	22.0	245	9.6	315	12.4	520	20.5
LFT22-560 (190)	560	22.0	190	7.5	370	14.6	520	20.5
LFT22-575	575	22.6	250	9.8	325	12.8	535	21.1
LFT22-575 (180)	575	22.6	180	7.1	395	15.6	535	21.1
LFT22-580	580	22.8	180	7.1	400	15.7	540	21.3
LFT22-585	585	23.0	255	10.0	330	13.0	545	21.5
LFT22-595	595	23.4	260	10.2	335	13.2	555	21.9
LFT22-610	610	24.0	270	10.6	340	13.4	570	22.4
LFT22-630	630	24.8	275	10.8	355	14.0	590	23.2
LFT22-640	640	25.2	283	11.1	357	14.1	600	23.6
LFT22-650	650	25.6	285	11.2	365	14.4	610	24.0
LFT22-665	665	26.2	205	8.1	460	18.1	625	24.6
LFT22-668	668	26.3	298	11.7	370	14.6	628	24.7
LFT22-685	685	27.0	305	12.0	380	15.0	645	25.4
LFT22-690	690	27.2	300	11.8	390	15.4	650	25.6
LFT22-690 M8	690	27.2	310	12.2	380	15.0	650	25.6
LFT22-710	710	28.0	310	12.2	400	15.7	670	26.4
LFT22-725	725	28.5	290	11.4	435	17.1	685	27.0
LFT22-730	730	28.7	220	8.7	510	20.1	690	27.2
LFT22-730 (320)	730	28.7	320	12.6	410	16.1	690	27.2
LFT22-735	735	28.9	325	12.8	410	16.1	695	27.4
LFT22-750	750	29.5	330	13.0	420	16.5	710	28.0
LFT22-785	785	30.9	350	13.8	435	17.1	745	29.3
LFT22-800	800	31.5	362	14.3	438	17.2	760	29.9
LFT22-820	820	32.3	360	14.2	460	18.1	780	30.7
LFT22-830	830	32.7	377	14.8	453	17.8	790	31.1
LFT22-885	885	34.8	402	15.8	483	19.0	845	33.3

Force Range | 90 – 1200N (20 – 270 lb)

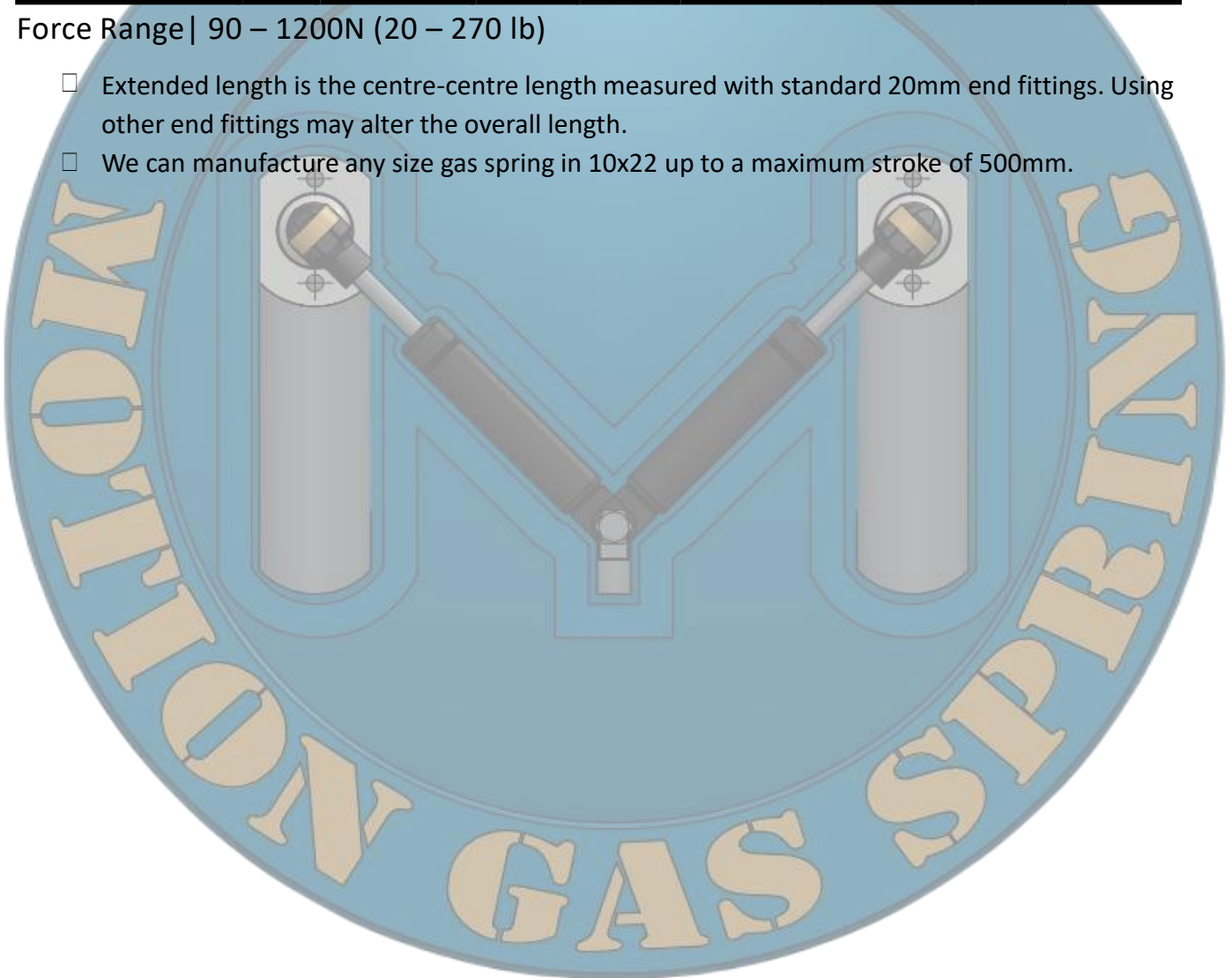
- ☐ Extended length is the centre-centre length measured with standard 20mm end fittings. Using other end fittings may alter the overall length.
- ☐ We can manufacture any size gas spring in 10x22 up to a maximum stroke of 500mm.



10/22 Series STOCK No.	Extended Length [A]		Stroke [S]		Compressed Length [C]		Shoulder Length [B]	
	mm	Inches	mm	Inches	mm	Inches	mm	Inches
LFT22-900	900	35.4	412	16.2	488	19.2	860	33.9
LFT22-914	914	36.0	419	16.5	495	19.5	874	34.4
LFT22-940	940	37.0	430	16.9	510	20.1	900	35.4
LFT22-1030	1030	40.6	475	18.7	555	21.9	990	39.0
LFT22-1040	1040	40.9	485	19.1	555	21.9	1000	39.4
LFT22-1100	1100	43.3	500	19.7	600	23.6	1060	41.7
LFT22-1237	1237	48.7	500	19.7	737	29.0	1197	47.1

Force Range | 90 – 1200N (20 – 270 lb)

- ☐ Extended length is the centre-centre length measured with standard 20mm end fittings. Using other end fittings may alter the overall length.
- ☐ We can manufacture any size gas spring in 10x22 up to a maximum stroke of 500mm.



10x27 Standard Gas Springs



CARBON STEEL

12.5/27 Series STOCK No.	Extended Length [A]		Stroke [S]		Compressed Length [C]		Shoulder Length [B]	
	mm	Inches	mm	Inches	mm	Inches	mm	Inches
LFT27/10-620	620	24.4	270	10.6	350	13.8	580	22.8
LFT27/10-650	650	25.6	360	14.2	290	11.4	610	24.0
LFT27/10-730	730	28.7	200	7.9	530	20.9	690	27.2
LFT27-182	182	7.2	52	2.0	130	5.1	142	5.6
LFT27-305	305	12.0	115	4.5	190	7.5	265	10.4
LFT27-330	330	13.0	80	3.1	250	9.8	290	11.4
LFT27-390	390	15.4	155	6.1	235	9.3	350	13.8
LFT27-400	400	15.7	162	6.4	238	9.4	360	14.2
LFT27-430	430	16.9	177	7.0	253	10.0	390	15.4
LFT27-490	490	19.3	206	8.1	284	11.2	450	17.7
LFT27-500	500	19.7	200	7.9	300	11.8	460	18.1
LFT27-505	505	19.9	210	8.3	295	11.6	465	18.3
LFT27-525	525	20.7	220	8.7	305	12.0	485	19.1
LFT27-550	550	21.7	235	9.3	315	12.4	510	20.1
LFT27-585	585	23.0	255	10.0	330	13.0	545	21.5
LFT27-610	610	24.0	265	10.4	345	13.6	570	22.4
LFT27-650	650	25.6	285	11.2	365	14.4	610	24.0
LFT27-668	668	26.3	292	11.5	376	14.8	628	24.7
LFT27-688	688	27.1	306	12.0	382	15.0	648	25.5
LFT27-700	700	27.6	310	12.2	390	15.4	660	26.0
LFT27-730	730	28.7	320	12.6	410	16.1	690	27.2
LFT27-830	830	32.7	375	14.8	455	17.9	790	31.1
LFT27-900	900	35.4	410	16.1	490	19.3	860	33.9
LFT27-940	940	37.0	430	16.9	510	20.1	900	35.4
LFT27-1030	1030	40.6	475	18.7	555	21.9	990	39.0
LFT27-1080	1080	42.5	500	19.7	580	22.8	1040	40.9
LFT27-1100	1100	43.3	500	19.7	600	23.6	1060	41.7
LFT27-1237	1237	48.7	500	19.7	737	29.0	1197	47.1
LFT27-1300	1300	51.2	610	24.0	690	27.2	1260	49.6

Force Range | 100 – 1700N (20 – 380 lb)

- Extended length is the centre-centre length measured with standard 20mm end fittings. Using other end fittings may alter the overall length.
- We can manufacture any size gas spring in 12.5x27 up to a maximum stroke of 500mm.

14x28 Standard Gas Springs

CARBON STEEL

14/28 Series	Extended Length [A]		Stroke [S]		Compressed Length [C]		Shoulder Length [B]	
STOCK No.	mm	Inches	mm	Inches	mm	Inches	mm	Inches
LFT28-300	300	11.8	100	3.9	200	7.9	260	10.2
LFT28-305	305	12.0	110	4.3	195	7.7	265	10.4
LFT28-349	349	13.7	125	4.9	224	8.8	309	12.2
LFT28-405	405	15.9	150	5.9	255	10.0	365	14.4
LFT28-430	430	16.9	177	7.0	253	10.0	390	15.4
LFT28-443	443	17.4	167	6.6	276	10.9	403	15.9
LFT28-500	500	19.7	200	7.9	300	11.8	460	18.1
LFT28-514	514	20.2	194	7.6	320	12.6	474	18.7
LFT28-520	520	20.5	210	8.3	310	12.2	480	18.9
LFT28-533	533	21.0	220	8.7	313	12.3	493	19.4
LFT28-590	590	23.2	250	9.8	340	13.4	550	21.7
LFT28-700	700	27.6	310	12.2	390	15.4	660	26.0
LFT28-705	705	27.8	290	11.4	415	16.3	665	26.2
LFT28-730	730	28.7	320	12.6	410	16.1	690	27.2
LFT28-750	750	29.5	335	13.2	415	16.3	710	28.0
LFT28-785	785	30.9	350	13.8	435	17.1	745	29.3
LFT28-830	830	32.7	375	14.8	455	17.9	790	31.1
LFT28-900	900	35.4	410	16.1	490	19.3	860	33.9
LFT28-920	920	36.2	400	15.7	520	20.5	880	34.6
LFT28-965	965	38.0	445	17.5	520	20.5	925	36.4
LFT28-975	975	38.4	445	17.5	530	20.9	935	36.8
LFT28-1030	1030	40.6	475	18.7	555	21.9	990	39.0
LFT28-1100	1100	43.3	500	19.7	600	23.6	1060	41.7
LFT28-1125	1125	44.3	510	20.1	615	24.2	1085	42.7
LFT28-1300	1300	51.2	610	24.0	690	27.2	1260	49.6
LFT28-1564	1564	61.6	720	28.3	844	33.2	1524	60.0
LFT28-1564 M10	1564	61.6	739	29.1	825	32.5	1524	60.0

Force Range | 100 – 2200N (20 – 450 lb)

- Extended length is the centre-centre length measured with standard 20mm end fittings. Using other end fittings may alter the overall length.
- We can manufacture any size gas spring in 14x28 up to a maximum stroke of 739mm.

STAINLESS STEEL GAS SPRINGS

6x15 Stainless Gas Springs

STAINLESS STEEL

6/15 Series STOCK No.	Extended Length [A]		Stroke [S]		Compressed Length [C]		Shoulder Length [B]	
	mm	Inches	mm	Inches	mm	Inches	mm	Inches
GSSK15170	170	6.7	50	2.0	120	4.7	134	5.3
GSSK15178	178	7.0	48	1.9	130	5.1	142	5.6
GSSK15190	190	7.5	60	2.4	130	5.1	154	6.1
GSSK15195	195	7.7	60	2.4	135	5.3	159	6.3
GSSK15234	234	9.2	82	3.2	152	6.0	198	7.8
GSSK15255	255	10.0	90	3.5	165	6.5	219	8.6
GSSK15260	260	10.2	100	3.9	160	6.3	224	8.8
GSSK15275	275	10.8	100	3.9	175	6.9	239	9.4
GSSK15295	295	11.6	115	4.5	180	7.1	259	10.2
GSSK15305	305	12.0	110	4.3	195	7.7	269	10.6
GSSK15315	315	12.4	122	4.8	193	7.6	279	11.0
GSSK15375	375	14.8	150	5.9	225	8.9	339	13.3
GSSK15381	381	15.0	152	6.0	229	9.0	345	13.6
GSSK15390	390	15.4	160	6.3	230	9.1	354	13.9
GSSK15435	435	17.1	180	7.1	255	10.0	399	15.7
GSSK15455	455	17.9	192	7.6	263	10.4	419	16.5
GSSK15465	465	18.3	200	7.9	265	10.4	429	16.9
GSSK15510	510	20.1	220	8.7	290	11.4	474	18.7

Force Range | 50 - 400N (10 - 90 lb)

- Extended length is the centre-centre length measured with standard 18mm end fittings. Using other end fittings may alter the overall length.

☑ We can manufacture any size gas spring in 6x15 up to a maximum stroke of 220mm.



8x18 Stainless Gas Springs

8/18 Series STOCK No.	Extended Length [A]		Stroke [S]		Compressed Length [C]		Shoulder Length [B]	
	mm	Inches	mm	Inches	mm	Inches	mm	Inches
GSSK18190	190	7.5	58	2.3	132	5.2	154	6.1
GSSK18245	245	9.6	80	3.1	165	6.5	209	8.2
GSSK18250-B	250	9.8	94	3.7	156	6.1	214	8.4
GSSK18255	255	10.0	90	3.5	165	6.5	219	8.6
GSSK18285	285	11.2	105	4.1	180	7.1	249	9.8
GSSK18305	305	12.0	110	4.3	195	7.7	269	10.6
GSSK18310	310	12.2	119	4.7	191	7.5	274	10.8
GSSK18315	315	12.4	122	4.8	193	7.6	279	11.0
GSSK18375	375	14.8	150	5.9	225	8.9	339	13.3
GSSK18379	379	14.9	154	6.1	225	8.9	343	13.5
GSSK18384	384	15.1	155	6.1	229	9.0	348	13.7
GSSK18390	390	15.4	160	6.3	230	9.1	354	13.9
GSSK18410	410	16.1	170	6.7	240	9.4	374	14.7
GSSK18430	430	16.9	179	7.0	251	9.9	394	15.5
GSSK18437	437	17.2	178	7.0	259	10.2	401	15.8
GSSK18455	455	17.9	192	7.6	263	10.4	419	16.5
GSSK18510	510	20.1	210	8.3	300	11.8	474	18.7
GSSK18525	525	20.7	220	8.7	305	12.0	489	19.3
GSSK18560	560	22.0	245	9.6	315	12.4	524	20.6
GSSK18585	585	23.0	256	10.1	329	13.0	549	21.6
GSSK18610	610	24.0	260	10.2	350	13.8	574	22.6
GSSK18640	640	25.2	275	10.8	365	14.4	604	23.8
GSSK18710	710	28.0	305	12.0	405	15.9	674	26.5
GSSK18735	735	28.9	325	12.8	410	16.1	699	27.5

Force Range | 50 - 750N (10 - 170 lb)

- ☐ Extended length is the centre-centre length measured with standard 18mm end fittings. Using other end fittings may alter the overall length.
- ☐ We can manufacture any size gas spring in 8x18 up to a maximum stroke of 325mm.



10x22 Stainless Gas Springs

STAINLESS STEEL

10/22 Series STOCK No.	Extended Length [A]		Stroke [S]		Compressed Length [C]		Shoulder Length [B]	
	mm	Inches	mm	Inches	mm	Inches	mm	Inches
GSSK22182	182	7.2	52	2.0	130	5.1	142	5.6
GSSK22305	305	12.0	115	4.5	190	7.5	265	10.4
GSSK22350	350	13.8	135	5.3	215	8.5	310	12.2
GSSK22387	387	15.2	153	6.0	234	9.2	347	13.7
GSSK22410	410	16.1	168	6.6	242	9.5	370	14.6
GSSK22422	422	16.6	160	6.3	262	10.3	382	15.0
GSSK22437	437	17.2	180	7.1	257	10.1	397	15.6
GSSK22450	450	17.7	160	6.3	290	11.4	410	16.1
GSSK22485	485	19.1	200	7.9	285	11.2	445	17.5
GSSK22502	502	19.8	200	7.9	302	11.9	462	18.2
GSSK22510	510	20.1	220	8.7	290	11.4	470	18.5
GSSK22550	550	21.7	235	9.3	315	12.4	510	20.1
GSSK22575	575	22.6	250	9.8	325	12.8	535	21.1
GSSK22610	610	24.0	265	10.4	345	13.6	570	22.4
GSSK22660	660	26.0	290	11.4	370	14.6	620	24.4
GSSK22685	685	27.0	305	12.0	380	15.0	645	25.4
GSSK22710	710	28.0	305	12.0	405	15.9	670	26.4
GSSK22750	750	29.5	330	13.0	420	16.5	710	28.0
GSSK22785	785	30.9	350	13.8	435	17.1	745	29.3
GSSK22820	820	32.3	360	14.2	460	18.1	780	30.7
GSSK22900	900	35.4	412	16.2	488	19.2	860	33.9
GSSK221100	1100	43.3	500	19.7	600	23.6	1060	41.7

Force Range | 90 - 1200N (20 - 270 lb)

- ☐ Extended length is the centre-centre length measured with standard 20mm end fittings. Using other end fittings may alter the overall length.
- ☐ We can manufacture any size gas spring in 10x22 up to a maximum stroke of 412mm.



14x28 Stainless Gas Springs

STAINLESS STEEL

14/28 Series STOCK No.	Extended Length [A]		Stroke [S]		Compressed Length [C]		Shoulder Length [B]	
	mm	Inches	mm	Inches	mm	Inches	mm	Inches
LFT28-300	300	11.8	100	3.9	200	7.9	260	10.2
LFT28-305	305	12.0	110	4.3	195	7.7	265	10.4
LFT28-349	349	13.7	125	4.9	224	8.8	309	12.2
LFT28-405	405	15.9	150	5.9	255	10.0	365	14.4
LFT28-430	430	16.9	177	7.0	253	10.0	390	15.4
LFT28-443	443	17.4	167	6.6	276	10.9	403	15.9
LFT28-500	500	19.7	200	7.9	300	11.8	460	18.1
LFT28-514	514	20.2	194	7.6	320	12.6	474	18.7
LFT28-520	520	20.5	210	8.3	310	12.2	480	18.9
LFT28-533	533	21.0	220	8.7	313	12.3	493	19.4
LFT28-590	590	23.2	250	9.8	340	13.4	550	21.7
LFT28-700	700	27.6	310	12.2	390	15.4	660	26.0
LFT28-705	705	27.8	290	11.4	415	16.3	665	26.2
LFT28-730	730	28.7	320	12.6	410	16.1	690	27.2

Force Range | 100 - 2200N (20 - 450 lb)

- ☐ Extended length is the centre-centre length measured with standard 20mm end fittings. Using other end fittings may alter the overall length.
- ☐ We can manufacture any size gas spring in 10x22 up to a maximum stroke of 739mm.



WELDED EYELET GAS SPRINGS

6x15 Eyelet Gas Springs

WELDED EYELET

6/15 SERIES	Extended Length [A]		Stroke [S]		Compressed Length [C]		Eyelet Diameter [D]		Eyelet Thickness [T]		Eyelet Offset	
STOCK No.	mm	Inches	mm	Inches	mm	Inches	mm	Inches	mm	Inches	mm	Inches
LFT15108A	108	4.3	26	1.0	82	3.2	6	0.24	3	0.12	0	0
LFT15145A	145	5.7	40	1.6	105	4.1	6	0.24	3	0.12	0	0
LFT15146A	146	5.7	46	1.8	100	3.9	6	0.24	3	0.12	0	0
LFT15166A	166	6.5	47	1.9	119	4.7	6	0.24	3	0.12	0	0
LFT15168A	168	6.6	50	2.0	118	4.6	10	0.39	3	0.12	0	0
LFT15185A	185	7.3	65	2.6	120	4.7	6	0.24	3	0.12	0	0
LFT15196A	196	7.7	65	2.6	131	5.2	6	0.24	3	0.12	0	0
LFT15220A	220	8.7	72	2.8	148	5.8	8	0.31	3	0.12	0	0
LFT15225A	225	8.9	75	3.0	150	5.9	6	0.24	3	0.12	0	0
LFT15227A	227	8.9	83	3.3	144	5.7	6	0.24	3	0.12	0	0
LFT15230A	230	9.1	76	3.0	154	6.1	8	0.31	3	0.12	0	0
LFT15267A	267	10.5	110	4.3	157	6.2	6	0.24	3	0.12	0	0
LFT15270A	270	10.6	90	3.5	180	7.1	6	0.24	3	0.12	0	0
LFT15272A	272	10.7	100	3.9	172	6.8	6	0.24	3	0.12	0	0
LFT15286A	286	11.3	85	3.3	201	7.9	6	0.24	3	0.12	0	0
LFT15359A	359	14.1	135	5.3	224	8.8	9	0.35	3	0.12	2	0.08
LFT15368A	368	14.5	155	6.1	213	8.4	6	0.24	5	0.20	0	0
LFT15430A	430	16.9	190	7.5	240	9.4	6	0.24	3	0.12	0	0

Force Range | 50 - 400N (10 - 90 lb)

- ☐ A welded eyelet end is often used to maximize the amount of stroke one can achieve given a specified extended length.
- ☐ Other sizes are available.



8x18 Eyelet Gas Springs

8/18 SERIES	Extended Length [A]		Stroke [S]		Compressed Length [C]		Eyelet Diameter [D]		Eyelet Thickness [T]		Eyelet Offset	
STOCK No.	mm	Inches	mm	Inches	mm	Inches	mm	Inches	mm	Inches	mm	Inches
LFT18166A	166	6.5	50	2.0	116	4.6	10	0.39	3	0.12	0	0
LFT18177A	177	7.0	52	2.0	125	4.9	10	0.39	3	0.12	0	0
LFT18205A	205	8.1	67	2.6	138	5.4	8	0.31	5	0.20	0	0
LFT18215A	215	8.5	75	3.0	140	5.5	8	0.31	5	0.20	0	0
LFT18223A	223	8.8	66	2.6	157	6.2	8	0.31	5	0.20	0	0
LFT18227- SOCOTA	227	8.9	76	3.0	151	5.9	6	0.24	5	0.20	0	0
LFT18250A	250	9.8	85	3.3	165	6.5	10	0.39	3	0.12	0	0
LFT18252A	252	9.9	80	3.1	172	6.8	10	0.39	3	0.12	0	0
LFT18255A	255	10.0	90	3.5	165	6.5	8	0.31	5	0.20	0	0
LFT18255A- 3T10H	255	10.0	90	3.5	165	6.5	10	0.39	3	0.12	0	0
LFT18285A	285	11.2	105	4.1	180	7.1	8	0.31	5	0.20	0	0
LFT18315A	315	12.4	122	4.8	193	7.6	8	0.31	5	0.20	0	0

Force Range | 50 - 750N (10 - 170 lb)

- ☐ A welded eyelet end is often used to maximize the amount of stroke one can achieve given a specified extended length.
- ☐ Other sizes are available.



10x22 Eyelet Gas Springs

WELDED EYELET

10/22 SERIES	Extended Length [A]		Stroke [S]		Compressed Length [C]		Eyelet Diameter [D]		Eyelet Thickness [T]		Eyelet Offset	
STOCK No.	mm	Inches	mm	Inches	mm	Inches	mm	Inches	mm	Inches	mm	Inches
LFT22247A	247	9.7	88	3.5	159	6.3	8	0.31	5	0.20	0	0
LFT22365A	365	14.4	125	4.9	240	9.4	10	0.39	5	0.20	5	0.2

Force Range | 90 – 1200N (20 - 270 lb)

- ☐ A welded eyelet end is often used to maximize the amount of stroke one can achieve given a specified extended length.
- ☐ Other sizes are available.

