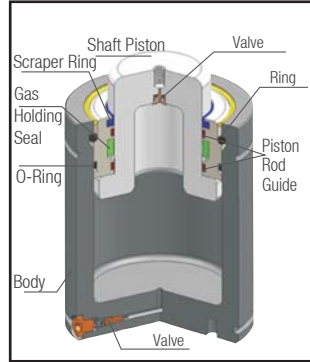


SN Series, Gas Spring - ISO 11901

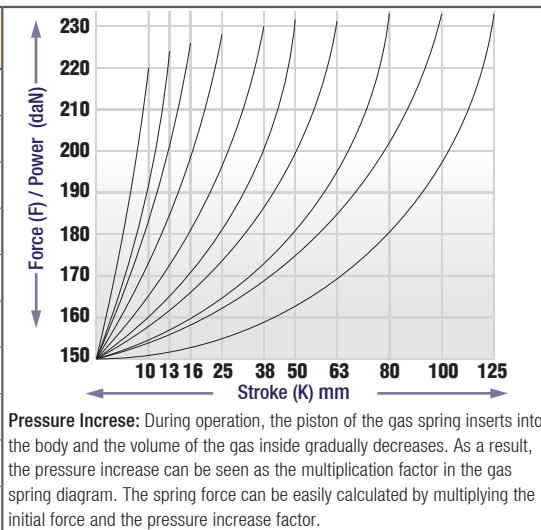
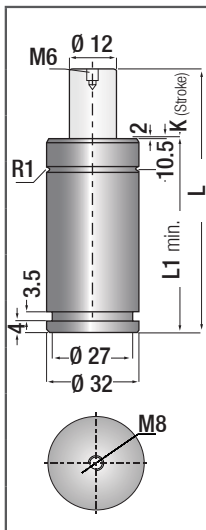
Standard gas springs with series connection and wide selection. It can be connected to hose systems with wide selections among standard series in compliance with ISO 11901. Do not be confused about recommended maximum cycle/minute specified in diagrams for a certain type of product group and maximum speed. The force curves are especially related to stroke (20°C). So, the decrease in the gas volume and other factors are not taken into consideration. The wide connections and accessories for all kinds of applications are recommended when these standard series connection supply tanks are used.

Max. Pressure: **150 Bar** - Max. Speed : **1.6 m/s** - Max. Temp. : **0-80°C**

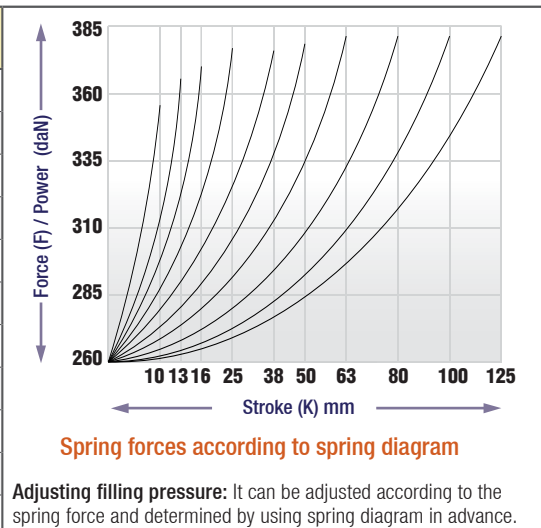
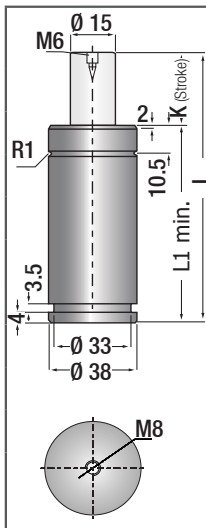


SN Series, Gas Spring - ISO 11901

Order Model	Stroke (K) mm	L1 min.	L Length	Initial Force		Weight Kg.
				150 Kg.	200 Kg.	
SN.150.10	10	60	70			0.28
SN.150.13	13	62.7	75			0.29
SN.150.16	16	66	82			0.30
SN.150.25	25	75	100			0.33
SN.150.38	38	88	126			0.36
SN.150.50	50	100	150			0.40
SN.150.63	63	113.5	177			0.44
SN.150.80	80	130	210			0.49
SN.150.100	100	150	250			0.55
SN.150.125	125	175	300			0.64



Order Model	Stroke (K) mm	L1 min.	L Length	Initial Force		Weight Kg.
				250 Kg.	360 Kg.	
SN.250.10	10	60	70			0.40
SN.250.13	13	62.7	75			0.41
SN.250.16	16	66	82			0.43
SN.250.19	19	69	88			0.45
SN.250.25	25	75	100			0.48
SN.250.38	38	88	126			0.54
SN.250.50	50	100	150			0.60
SN.250.63	63	113.5	177			0.66
SN.250.80	80	130	210			0.74
SN.250.100	100	150	250			0.81
SN.250.125	125	175	300			0.98



<p>Code: BY - BYB - BD</p>	<p>Code: BT</p>	<p>Bottom mount M6</p>	<p>Mounting at the housing Volume Ø +1.0 +0.5</p>	<p>SN.150 & SN.250 Mounting Recommendations:</p> <ul style="list-style-type: none"> * The gas spring should be positioned on the surface. * The spring force should be encountered by the surface. * It is not recommended when the gas springs are connected each other.
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Gas Spring Usage Rules: The screw at the top of the piston head must not be used for mounting of gas spring! This screw is just for maintenance...
Wrong tapping causes wearing in sealing elements and shortening their lifetime. The gas spring should be mounted in parallel to the force to be applied.
The body bottom or retaining flange should be positioned vertically for the force. The surfaces that contacting the bottom and the piston should be hardened.

SN Series, Gas Spring - ISO 11901

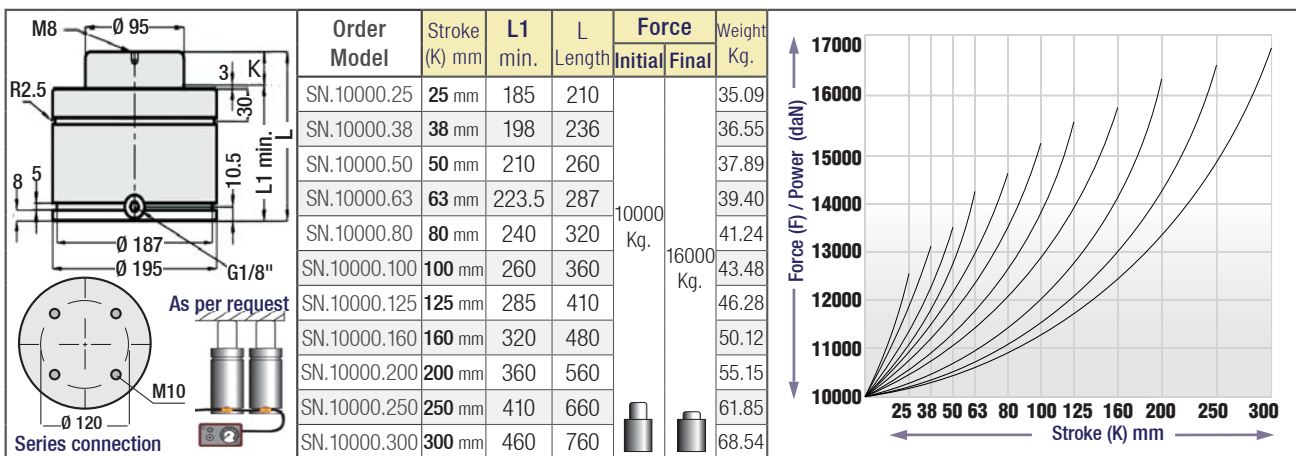
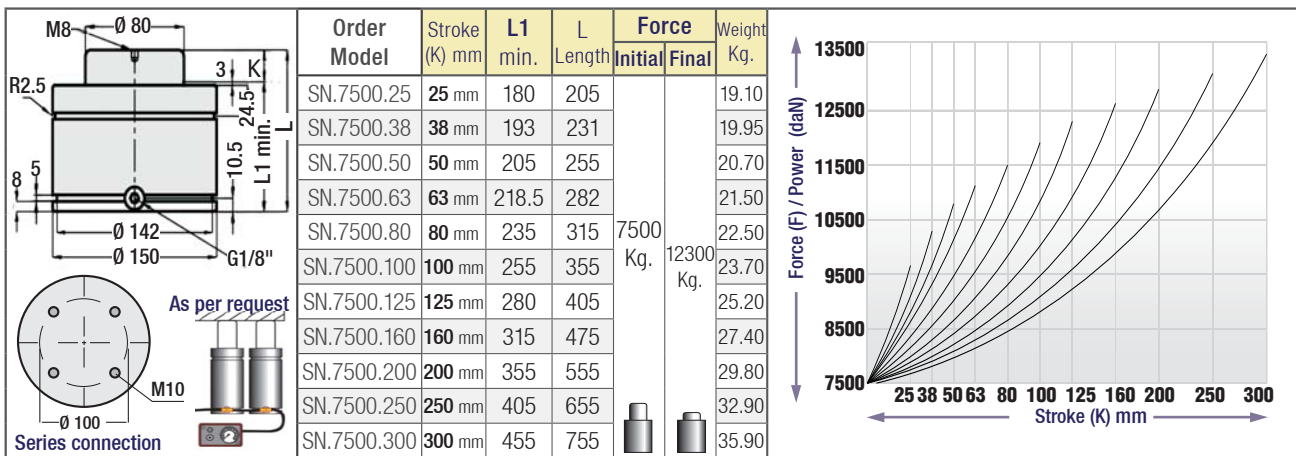
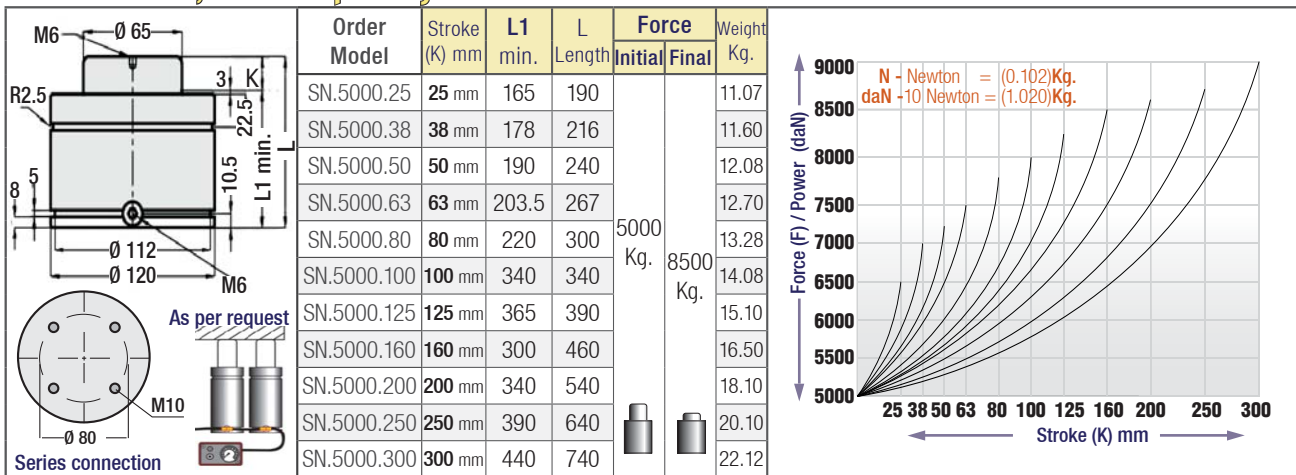
Order Model	Stroke (K) mm	L1 min.	L Length	Force		Weight Kg.
				Initial	Final	
SN.500.13	13 mm	97.7	110.4	500 Kg.	725 Kg.	1.00
SN.500.25	25 mm	110	135			1.09
SN.500.38	38 mm	123	161			1.20
SN.500.50	50 mm	135	185			1.29
SN.500.63	63 mm	148.5	212			1.38
SN.500.80	80 mm	165	245			1.50
SN.500.100	100 mm	185	285			1.64
SN.500.125	125 mm	210	335			1.85
SN.500.160	160 mm	245	405	2.10		

Order Model	Stroke (K) mm	L1 min.	L Length	Force		Weight Kg.
				Initial	Final	
SN.750.13	13 mm	107.7	120	750 Kg.	1230 Kg.	1.28
SN.750.25	25 mm	120	145			1.38
SN.750.38	38 mm	133	171			1.48
SN.750.50	50 mm	145	195			1.58
SN.750.63	63 mm	158.5	222			1.69
SN.750.80	80 mm	175	255			1.82
SN.750.100	100 mm	195	295			1.99
SN.750.125	125 mm	220	345			2.19
SN.750.160	160 mm	255	415			2.52
SN.750.200	200 mm	295	495			2.92
SN.750.250	250 mm	345	595	3.40		
SN.750.300	300 mm	395	695	3.90		

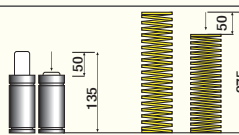
Order Model	Stroke (K) mm	L1 min.	L Length	Force		Weight Kg.
				Initial	Final	
SN.1500.25	25 mm	135	160	1500 Kg.	2250 Kg.	3.47
SN.1500.38	38 mm	148	186			3.66
SN.1500.50	50 mm	160	210			3.84
SN.1500.63	63 mm	173.5	237			4.05
SN.1500.80	80 mm	190	270			4.30
SN.1500.100	100 mm	210	310			4.60
SN.1500.125	125 mm	235	360			4.98
SN.1500.160	160 mm	270	430			5.51
SN.1500.200	200 mm	310	510			6.14
SN.1500.250	250 mm	360	610			7.10
SN.1500.300	300 mm	410	710	8.05		

Order Model	Stroke (K) mm	L1 min.	L Length	Force		Weight Kg.
				Initial	Final	
SN.3000.25	25 mm	145	170	3000 Kg.	4800 Kg.	6.00
SN.3000.38	38 mm	158	196			6.29
SN.3000.50	50 mm	170	220			6.57
SN.3000.63	63 mm	183.5	247			6.90
SN.3000.80	80 mm	200	280			7.30
SN.3000.100	100 mm	220	320			7.78
SN.3000.125	125 mm	345	370			8.38
SN.3000.160	160 mm	380	440			9.22
SN.3000.200	200 mm	320	520			10.19
SN.3000.250	250 mm	370	620			11.40
SN.3000.300	300 mm	420	720	12.84		

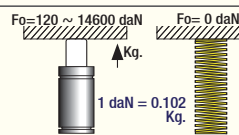
SN Series, Gas Spring - ISO 11901



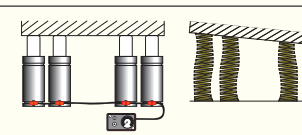
Gas Spring Usage Advantages



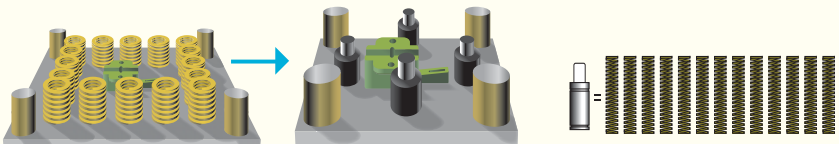
With the same operating stroke and force increase, the length is shortened. It provides length saving and spring structure advantage.



For higher performance, easier and faster mounting is provided with a small pre-loading (0.5 - 1 mm).



At each contact point, the same forces can be positioned continuously and the system can be monitored in terms of pressure.



With the gas spring usage, the necessary application area, height, the occupied volume, the retaining spring number for pre-loading are decreased significantly.