



RoHS Compliant



No.E-9795

Gas Spring

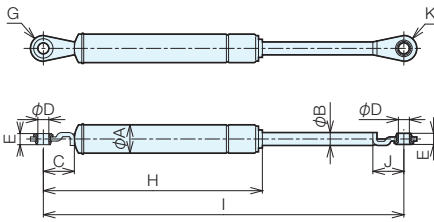
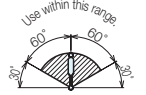
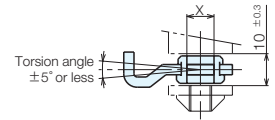
Material Heat Treatment Surface Treatment

	Material	Surface Treatment
Cylinder	STKM12BEC (Carbon steel tube for machine structural purposes)	Baking finish (Matt black coating)
Rod	S35C	Gas nitriding processing
Bush	Polyoxymethylene (white)	-
Gas	Nitrogen gas (N ₂)	-

- Offers a strong spring force (reaction) with a compact and lightweight structure.
- The spring force (reaction) is virtually constant along the long stroke.
- Designs according to the application which enables you to use in a wide range of applications.

About Gas Spring

The sealed cylinder is filled with high pressure gas (nitrogen gas: nonflammable). The reaction of this gas is used as a spring. This gas spring is compact and offers a small spring constant with a large initial load which can be used for various machines, furniture, automobiles and office automation equipment.



Specifications

Order No.	No.	Maximum Length (l max)	Minimum Length (l min)	Stroke	Gas Reaction Force (20°C)		A	B	C	D	E	G	H	J	K	Compatible Mounting Bracket	Weight (g)
					Maximum length - 10 mm (N)	Maximum length (N)											
939240	GS111	181.0	131.0	50.0	27	32 (40)	15	6	15	6.5	8.6	R8	111	15	R8		75
939241	GS112	181.0	131.0	50.0	85	102 (40)	15	6	15	6.5	8.6	R8	111	15	R8		75
939242	GS113	181.0	131.0	50.0	147	175 (40)	15	6	15	6.5	8.6	R8	111	15	R8		75
107464	GS114	181.0	131.0	50.0	186	222 (40)	15	6	15	6.5	8.6	R8	131	15	R8		75
107465	GS115	181.0	131.0	50.0	206	245 (40)	15	6	15	6.5	8.6	R8	131	15	R8		75
939243	GS121	221.0	151.0	70.0	81	102 (40)	15	6	15	6.5	8.6	R8	131	15	R8		90
939244	GS122	221.0	151.0	70.0	119	124 (41.5)	15	6	15	6.5	8.6	R8	131	15	R8		90
107466	GS123	221.0	151.0	70.0	196	245 (60)	15	6	15	6.5	8.6	R8	151	15	R8		90
939245	GS131	261.0	171.0	90.0	69	89 (80)	15	6	15	6.5	8.6	R8	151	15	R8	GSB6A	108
939246	GS132	261.0	171.0	90.0	79	103 (80)	15	6	15	6.5	8.6	R8	151	15	R8		108
939247	GS133	261.0	171.0	90.0	88	115 (80)	15	6	15	6.5	8.6	R8	151	15	R8		108
939248	GS134	261.0	171.0	90.0	147	191 (80)	15	6	15	6.5	8.6	R8	151	15	R8		108
107467	GS135	261.0	171.0	90.0	196	254 (80)	15	6	15	6.5	8.6	R8	171	15	R8		151
939249	GS141	281.0	181.0	100.0	76	103 (90)	15	6	15	6.5	8.6	R8	161	15	R8		120
939250	GS142	281.0	181.0	100.0	196	257 (90)	15	6	15	6.5	8.6	R8	161	15	R8		120
107468	GS143	281.0	181.0	100.0	110	147 (90)	15	6	15	6.5	8.6	R8	181	15	R8		161
939251	GS211	261.0	171.0	90.0	263	353 (90)	18	8	15	6.5	8.6	R10	154	15	R10		170
939252	GS221	281.0	181.0	100.0	324	428 (90)	18	8	15	6.5	8.6	R10	163	15	R10		190

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Order No.	No.	Maximum Length (l max)	Minimum Length (l min)	Stroke	Gas Reaction Force (20°C)		A	B	C	D	E	G	H	J	K	Compatible Mounting Bracket	Weight (g)		
					Maximum length - 10 mm (N)	Maximum length - () (N)													
939253	GS311	580.0	344.5	235.5	129	195 (206)	22	10	24	8.5	8.6	R10	320.5	24	R10		370		
107469	GS320	279.0	199.0	80.0	116	142 (70)	22	10	24	8.5	8.6	R10	199	24	R10		178		
939254	GS321	279.0	199.0	80.0	196	245 (80)	22	10	24	8.5	8.6	R10	169.5	24	R10		178		
107470	GS322	279.0	199.0	80.0	246	310 (80)	22	10	24	8.5	8.6	R10	199	24	R10		178		
939255	GS331	306.0	210.0	96.0	392	506 (91)	22	10	24	8.5	8.6	R10	186	24	R10		195		
107472	GS332	464.0	314.0	150.0	343	414 (150)	22	10	24	8.5	8.6	R10	150	24	R10		310		
939256	GS341	472.0	330.0	142.0	279	371 (125)	22	10	24	8.5	8.6	R10	306	24	R10		300		
939257	GS351	412.0	265.0	147.0	147	193 (130)	22	10	24	8.5	8.6	R10	241	24	R10		265		
107471	GS352	412.0	265.0	147.0	240	313 (130)	22	10	24	8.5	8.6	R10	265	24	R10		265		
939258	GS371	580.0	344.5	235.5	248	313 (206)	22	10	24	8.5	8.6	R10	320.5	24	R10		370		
107473	GS372	580.0	344.5	235.5	343	434 (206)	22	10	24	8.5	8.6	R10	344.5	24	R10		370		
107474	GS373	580.0	344.5	235.5	507	642 (206)	22	10	24	8.5	8.6	R10	344.5	24	R10		370		
107475	GS374	670.0	400.0	270.0	406	588 (240)	22	10	24	8.5	8.6	R10	400	24	R10	GSB8A	460		
107476	GS375	675.0	421.5	253.5	311	367 (197)	22	10	24	8.5	8.6	R10	321.5	24	R10	GSB8B	430		
939259	GS381	833.0	476.5	356.5	216	288 (350)	22	10	24	8.5	8.6	R10	452	24	R10	GSB8C	530		
939260	GS391	833.0	476.5	356.5	345	460 (350)	22	10	24	8.5	8.6	R10	452	24	R10	GSB8D	530		
107477	GS401	567.0	356.5	210.5	587	799 (179)	22	10	20	8.5	8.6	R15	356.5	24	R10	GSB8E	460		
107478	GS402	567.0	356.5	210.5	666	908 (179)	22	10	20	8.5	8.6	R15	356.5	24	R10		460		
939264	GS411	627.0	384.0	243.0	196	301 (215)	22	12.5	24	8.5	8.6	R10	360	24	R10		470		
939265	GS412	627.0	384.0	243.0	433	657 (215)	22	12.5	24	8.5	8.6	R10	360	24	R10		470		
107479	GS420	670.0	400.0	270.0	127	190 (240)	22	12.5	24	8.5	8.6	R10	400	24	R10		500		
939266	GS421	670.0	400.0	270.0	343	486 (240)	22	12.5	24	8.5	8.6	R10	376	24	R10		500		
939267	GS422	670.0	400.0	270.0	507	736 (240)	22	12.5	24	8.5	8.6	R10	376	24	R10		500		
107480	GS423	670.0	400.0	270.0	596	867 (240)	22	12.5	24	8.5	8.6	R10	400	24	R10		500		
107481	GS424	670.0	400.0	270.0	755	1104 (240)	22	12.5	24	8.5	8.6	R10	400	24	R10		500		
107482	GS430	700.0	400.0	300.0	596	965 (290)	22	12.5	20	8.5	8.6	R10	400	20	R10		535		
939268	GS431	700.0	400.0	300.0	745	1160 (275)	22	12.5	20	8.5	8.6	R10	376	20	R10		525		
939269	GS432	700.0	400.0	300.0	845	1320 (275)	22	12.5	20	8.5	8.6	R10	376	20	R10		525		
107483	GS451	795.0	480.0	315.0	833	1220 (305)	22	12.5	20	8.5	8.6	R10	480	20	R10		620		

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