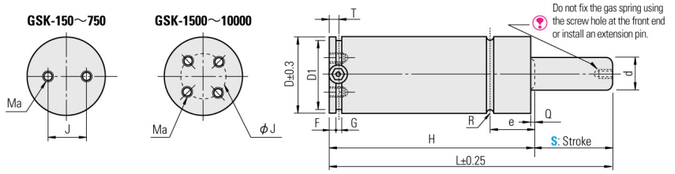
GAS SPRINGS
ISO Compliant Type



GSK

If a gas spring is used in excess of the specified stroke range S, gas leakage will occur and the piston rod will not return. Make sure to use the gas spring within the specified stroke range so that it does not contact the overstroke check pin.

Nitrogen Gas Charge Pressure	MPa{kgf/cm2}
GSK 150–10000	15{153}



D	S	D1	d	L	H	e	R	T	F	G	Ma Tap Hole for Mounting	J	Q	Load N{kgf} Initial Load	Load N{kgf} Maximum Load	Catalog No. Type	Catalog No. No.–S	Plate FFC	Plate FC	Base Unit Price
32	10	27	12	70	60	12.5	1	6	4	3.5	2-M6x8	18	2	1700 {173}	2110{ 215}	GSK	150– 10	FFC32	FC32	
	12.7			75.4	62.7										2170{ 221}		150– 12.7			
	16			82	66										2200{ 224}		150– 16			
	25			100	75										2290{ 234}		150– 25			
	38			126	88										2360{ 241}		150– 38			
	50			150	100										2400{ 245}		150– 50			
	63			177	113.5										2420{ 247}		150– 63			
	80			210	130										2450{ 250}		150– 80			
	100			250	150										2470{ 252}		150–100			
	125			300	175										2490{ 254}		150–125			
38	10	33	15	70	60	12.5	1	6	4	3.5	2-M6x8	18 or 25	2	2600 {265}	3250{ 332}		250– 10	FFC38	FC38	
	12.7			75.4	62.7										3360{ 343}		250– 12.7			
	16			82	66										3420{ 349}		250– 16			
	19			88	69										3490{ 356}		250– 19			
	25			100	75										3580{ 365}		250– 25			
	38			126	88										3710{ 378}		250– 38			
	50			150	100										3790{ 386}		250– 50			
	63			177	113.5										3830{ 390}		250– 63			
	80			210	130										3890{ 397}		250– 80			
	100			250	150										3930{ 401}		250–100			
	125			300	175										3970{ 405}		250–125			
45	12.7	40	20	110.4	97.7	16.5	1	10.5	4	3.5	2-M8×13	20	2	4700 {479}	6480{ 661}		500– 12.7	FFC45	FC45	
	25			135	110										7090{ 723}		500– 25			
	38			161	123										7480{ 763}		500– 38			
	50			185	135										7710{ 786}		500– 50			
	63			212	148.5										7860{ 801}		500– 63			
	80			245	165										8050{ 821}	GSK	500– 80			
	100			285	185										8180{ 834}		500–100			
	125			335	210										8290{ 845}		500–125			
	160			405	245										8400{ 857}		500–160			
50	12.7	43	25	120.4	107.7	17.5	2	10.5	8	5	2-M8×13	20	3	7400 {755}	10240{1044}		750– 12.7	FFC50	FC50	
	25			145	120										11560{1179}		750– 25			
	38			171	133										12520{1277}		750– 38			
	50			195	145										13140{1340}		750– 50			
	63			222	158.5										13590{1386}		750– 63			
	80			255	175										14130{1441}		750– 80			
	100			295	195										14530{1482}		750–100			
	125			345	220										14900{1519}		750–125			
	160			415	255										15260{1556}		750–160			
	200			495	295										14940{1523}		750–200			
	250			595	345										15260{1556}		750–250			
	300			695	395										15480{1579}		750–300			
75	25	67	36	160	135	21	2.5	10.5	8	5	4-M8×13	40	3	15300 {1560}	23170{2363}		1500– 25	FFC75	FC75	
	38			186	148										24890{2538}		1500– 38			
	50			210	160										25990{2650}		1500– 50			
	63			237	173.5										26770{2730}		1500– 63			
	80			270	190										27700{2825}		1500– 80			
	100			310	210										28410{2897}		1500–100			
	125			360	235										29040{2961}		1500–125			
	160			430	270										29650{3023}		1500–160			
	200			510	310										28540{2910}		1500–200			
	250			610	360										29150{2972}		1500–250			
	300			710	410										29600{3018}		1500–300			

Quote Online

The initial load and maximum load vary depending on the temperature and operation speed. The load error is ±10%.
• Load {kgf}= Load N x 0.101972 • Load {N}= Load kgf x 9.80665 • Nitrogen gas charge pressure kgf/cm2= MPa x 10.1972 MPa= kgf/cm2 x 0.0980665

D	S	D1	d	L	H	e	R	T	F	G	Ma Tap hole for mounting	J	Q	Load N{kgf} Initial Load	Load N{kgf} Maximum Load	Catalog No. Type	Catalog No. No.–S	Plate FFC	Plate FC	Base Unit Price
95	25	87	50	170	145	24	2.5	10.5	8	5	4-M8×13	60	3	29450 {3003}	47830{4877}	GSK	3000– 25	FFC95	FC95	
	38			196	158										52450{5348}		3000– 38			
	50			220	170										55530{5663}		3000– 50			
	63			247	183.5										57790{5893}		3000– 63			
	80			280	200										60550{6174}		3000– 80			
	100			320	220										62700{6394}		3000–100			
	125			370	245										64650{6592}		3000–125			
	160			440	280										66560{6787}		3000–160			
	200			520	320										60080{6126}		3000–200			
	250			620	370										62260{6349}		3000–250			
	300			720	420										63910{6517}		3000–300			
120	25	112	65	190	165	25.5	2.5	10.5	8	5	4-M10×16	80	3	49800 {5078}	85630{ 8732}		5000– 25	FFC120	FC120	
	38			216	178										94840{ 9671}		5000– 38			
	50			240	190										101010{10300}		5000– 50			
	63			267	203.5										105510{10759}		5000– 63			
	80			300	220										111080{11327}		5000– 80			
	100			340	240										115390{11767}		5000–100			
	125			390	265										119320{12167}		5000–125			
	160			460	300										123170{12560}		5000–160			
	200			540	340										99900{10187}		5000–200			
	250			640	390										101860{10387}		5000–250			
	300			740	440										103250{10529}		5000–300			
150	25	142	80	205	180	27.5	2.5	10.5	8	7	4-M10×16	100	3	75400 {7689}	121300{12369}		7500– 25	FFC150	FC150	
	38			231	193										134140{13679}		7500– 38			
	50			255	205										143070{14589}		7500– 50			
	63			282	218.5										149940{15290}		7500– 63			
	80			315	235										158230{16135}		7500– 80			
	100			355	255										164980{16823}		7500–100			
	125			405	280										171250{17463}		7500–125			
	160			475	315										177510{18101}		7500–160			
	200			555	355										151960{15496}		7500–200			
	250			655	405										159030{16217}		7500–250			
	300			755	455										164540{16778}		7500–300			
195	25	187	95	210	185	33.5	2.5	10.5	8	8	4-M12×16	120	3	106000 {10809}	153610{15664}		10000– 25	FFC195	FC195	
	38			236	198										163150{16637}		10000– 38			
	50			260	210										169150{17249}		10000– 50			
	63			287	223										173340{17676}		10000– 63			
	80			320	240										178370{18189}		10000– 80			
	100			360	260										182120{18571}		10000–100			
	125			410	285										185430{18909}		10000–125			
	160			480	320										190250{19400}		10000–160			
	200			560	360										194970{19881}		10000–200			
	250			660	410										199180{20311}		10000–250			
	300			760	460										202220{20621}		10000–300			

Quote Online

■ Shot Limit

Stroke (mm)	Catalog No.	10	12.7	16	19	25	38	50	63	80	100	125	160	200	250	300
Shot Limit (spm)	GSK150	150	150	140	–	100	65	50	40	30	25	20	–	–	–	–
	GSK250				120								–	–	–	–
	GSK500	–		–	–								16	–	–	–
	GSK750													–	–	–
	GSK1500	–	–	–	–	70	60	45	30	25	20	15	15	12	10	7
	GSK3000															
	GSK5000					60	55							10	8	5
	GSK7500															
	GSK10000															

Order — Catalog No. GSK 750–50
Days to Ship — Quote Online
Price — Quote Online