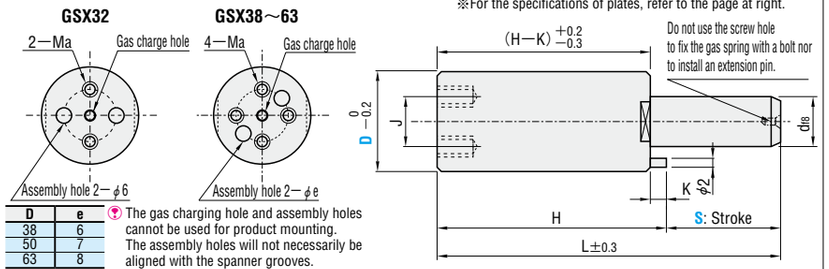
RoHS

GSX



D	e
38	6
50	7
63	8

The gas charging hole and assembly holes cannot be used for product mounting. The assembly holes will not necessarily be aligned with the spanner grooves.

If a gas spring is used in excess of the specified stroke range S, it may cause gas leakage. Use the gas spring within the specified stroke range to avoid contact with the overstroke check pin.

※For the specifications of plates, refer to the page at right.

Nitrogen gas charge pressure	MPa{kgf/cm²}
GSX32	18.7{191}
GSX38	18.4{188}
GSX50	19.2{196}
GSX63	19.2{196}

Cylinder body
- M Equivalent to S45C
- S Black oxide (Fe_3O_4)

Piston rod
- M SCM435
- H 750HV～(Surface)
- S Hardening＋Polishing finish

Weight (kg)	D	d	L	H	Ma Tap hole for mounting	J	K	Load N{kgf} Initial load	Load N{kgf} Maximum load	Catalog No. Type	Catalog No. D—S
0.30			75	65					7200 {734}		32–10
0.32			85	70					8000 {816}		32–15
0.34			95	75					8300 {846}		32–20
0.35			105	80					8600 {877}		32–25
0.39			120	88					8700 {887}		32–32
0.42	32	18	135	97	M6×9	15	2	4750 {484}	8850 {902}		32–38
0.43			145	100					9000 {918}		32–45
0.45			155	105					9250 {943}		32–50
0.49			170	114					9300 {948}		32–56
0.51			185	122					9300 {948}		32–63
0.57			220	140					9350 {953}		32–80
0.41			75	65					15000 {1530}		38–10
0.44			85	70					17200 {1754}		38–15
0.47			95	75					17800 {1815}		38–20
0.49			105	80					18400 {1876}		38–25
0.55			120	88					18800 {1917}		38–32
0.59	38	25	135	97	M6×9	20	2	9030 {921}	19100 {1948}		38–38
0.60			145	100					19500 {1988}		38–45
0.62			155	105					19700 {2009}		38–50
0.67			170	114					19700 {2009}		38–56
0.70			185	122					19800 {2019}		38–63
0.80			220	140					19900 {2029}		38–80
0.90			110	95					24000 {2447}		50–15
0.93			120	100					25000 {2549}		50–20
0.98			130	105					26000 {2651}		50–25
1.05			145	113					27000 {2753}		50–32
1.09	50	35	155	117	M8×12	25	3	19000 {1937}	28000 {2855}	GSX	50–38
1.14			170	125					28500 {2906}		50–45
1.19			180	130					29000 {2957}		50–50
1.29			195	139					30000 {3059}		50–56
1.30			205	142					30500 {3110}		50–63
1.45			240	160					31500 {3212}		50–80
1.61			120	100					42500 {4334}		63–20
1.64			130	105					43500 {4436}		63–25
1.75			145	113					45500 {4640}		63–32
1.80	63	45	155	117	M8×12	35	3	31000 {3161}	47000 {4793}		63–38
1.91			170	125					48000 {4895}		63–45
1.93			180	130					49000 {4997}		63–50
2.12			205	142					51000 {5201}		63–63
2.34			240	160					52500 {5354}		63–80

The initial load and maximum load vary depending on the temperature and operation speed. The load error is ±10%.

●Load {kgf}＝Load N×0.101972 ●Load {N}＝Load kgf×9.80665 ●Nitrogen gas charge pressure kgf/cm²＝MPa×10.1972 MPa＝kgf/cm²×0.0980665

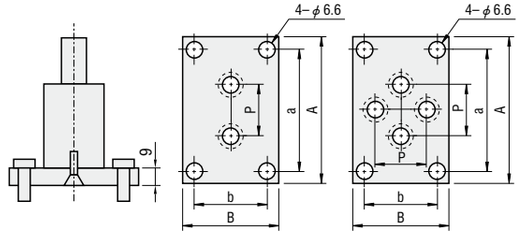
Order — Catalog No.
GSX 32—38
AM—32

Days to Ship — Quotation

Price — Quotation

RoHS

AM (Plate only)



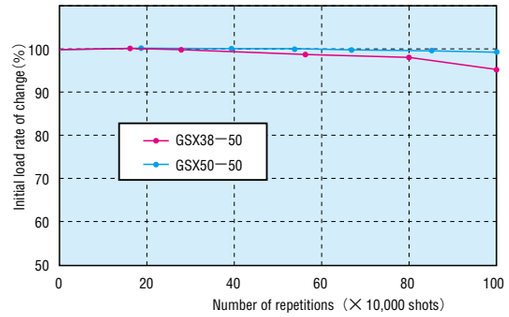
M SS400
S Black oxide (Fe_3O_4)

A Provided bolts	A	B	a	b	P	Catalog No.	
FB6—16×2 pcs.	51	32	41	22	15	AM	32
FB6—16×4 pcs.	57	38	47	28	20		38

It is recommended that thread locking compound be applied to the bolts before they are used.

■Endurance test results

Catalog No.	GSX38—50	GSX50—50
Amplitude	48mm	48mm
Excitation speed	50spm	50spm
Mounting direction	Tilt 0.5°	Tilt 0.5°
Cooling method	Forced air cooling	Forced air cooling

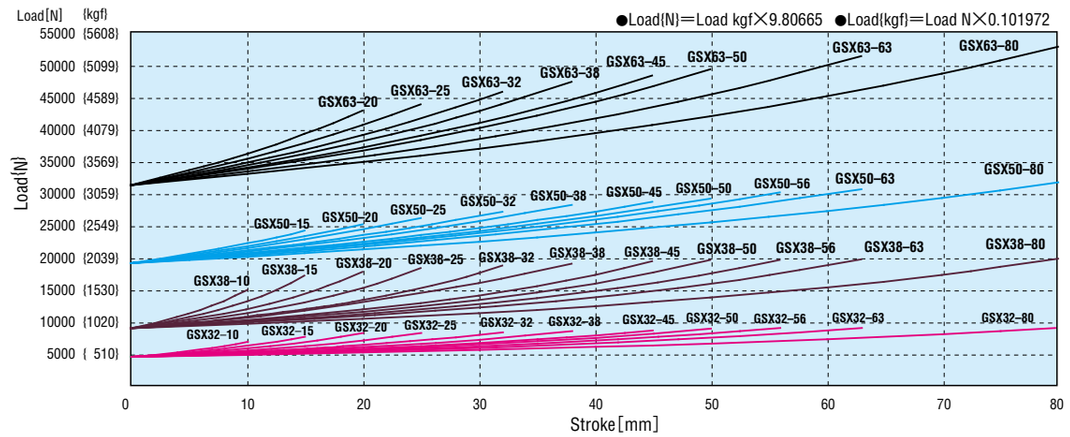


■Gas spring temperature range

The operating environment temperature range is 0～40℃. Ensure that the surface temperature of the gas spring does not exceed 70℃.

■GSX load characteristic graph

This graph shows the quasi-static characteristics. Actual characteristics vary depending on temperature and operation speed.



■Shot limit

	Stroke (mm)	10	15	20	25	32	38	45	50	56	63	80
GSX	Shot limit (spm)	220	165	125	100	75	65	55	50	45	40	35

Shot limit: Number of shots per minute

The shot limit may be affected by the operating environment. The figures shown here are for reference only.