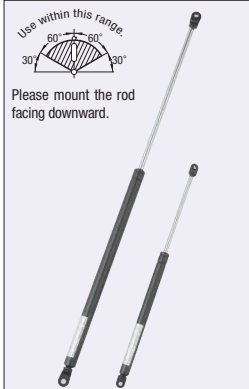


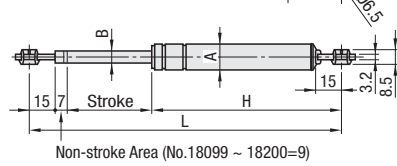
Gas Springs

Mounting Orientation Limited Type

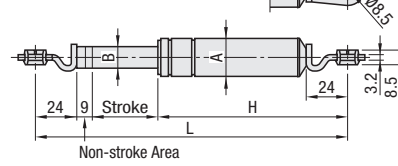


FGS

No.15049~No.18200



No.22250~No.22360



MMaterial

Cylinder: STKM11A
(Carbon Steel Hollows for Machine Structural Use)
Rod : S20C

Bushing: Polyacetal Resin (White)
Gas : Nitrogen Gas (N₂)

SSurface Treatment

Cylinder: Baked Paint (Black Matt)
Rod: Hard Chrome Plating
Operating Temperature: -20 ~ 60°C
For No.15049, operating temperature should be 0 ~ 60°C.

Part Number	Type	No.	Reaction Force (Fa)	Max. Length	Min. Length	Stroke	Gas Reaction Force (20°C)				O.D.	Rod Dia.	H	Applicable Mounting Bracket	Weight (g)	Unit Price
							Lmax -10mm Stroke		Lmax - (S) in the Stroke							
							N	kgf	N	kgf						
15049 - 030	FGS	181	49	132	49	30	3.0	40	4.1	39	15	7	110	83		
15049 - 055						55	6.0	71	7.2							
15049 - 070						70	7.1	89	9.0							
15049 - 085	221	152	69	152	69	85	9.0	109	11.1	59	15	7	130	96		
15049 - 150						150	15.0	191	19.5							
15069 - 050						50	5.0	67	6.8							
15069 - 080	261	172	89	172	89	80	8.0	107	10.9	79	15	7	150	109		
15069 - 100						100	10.2	132	13.4							
15089 - 070						70	7.0	94	9.6							
15089 - 085	281	182	99	182	99	85	8.7	115	11.7	89	15	7	160	116	GSBR6A GSBR6B GSBR6C GSBR6D (P.384)	
15089 - 100						100	10.0	135	13.8							
15089 - 150						150	15.0	202	20.6							
15089 - 200	281	184	97	184	97	200	20.0	268	27.3	89	15	7	160	116	GSBR6A GSBR6B GSBR6C GSBR6D (P.384)	
15099 - 075						75	8.0	101	10.3							
15099 - 120						120	12.0	162	16.5							
15099 - 200	365	245	120	245	120	200	20.0	270	27.6	89	15	7	160	116	GSBR6A GSBR6B GSBR6C GSBR6D (P.384)	
18099 - 300						300	30.5	392	39.9							
18099 - 400						400	40.7	522	53.2							
18120 - 100	420	270	150	270	150	100	10.0	123	13.0	110	18	8	221	183		
18120 - 200						200	20.0	245	25.0							
18120 - 300						300	31.0	367	37.0							
18120 - 400	525	325	200	325	200	400	41.0	489	50.0	190	18	8	246	205		
18150 - 100						100	10.0	126	12.9							
18150 - 150						150	15.0	188	19.2							
18150 - 200	635	385	250	385	250	200	20.0	251	25.6	240	18	8	301	248		
18150 - 250						250	26.0	313	31.9							
18200 - 100						100	10.0	127	13.0							
18200 - 150	670	400	270	400	270	150	15.0	190	19.4	190	18	8	352	409		
18200 - 200						200	20.0	253	25.8							
18200 - 300						300	31.0	379	38.7							
18200 - 400	700	410	290	410	290	400	41.0	511	52.1	240	18	8	352	409		
22250 - 100						100	10.0	129	13.2							
22250 - 150						150	15.2	193	19.6							
22250 - 200	740	440	300	440	300	200	20.0	257	26.2	240	18	8	352	409		
22250 - 300						300	31.0	384	39.2							
22250 - 400						400	41.0	511	52.1							
22270 - 345	740	440	300	440	300	345	35.0	528	53.9	260	22	12.5	367	531	GSBR8A GSBR8B GSBR8C GSBR8D (P.384)	
22270 - 500						500	51.0	763	77.9							
22270 - 700						700	71.0	1065	108.7							
22290 - 745	833	473	360	473	360	745	76.0	1160	118.4	280	22	12.5	377	556	GSBR8A GSBR8B GSBR8C GSBR8D (P.384)	
22290 - 845						845	86.0	1314	134.1							
22300 - 200						200	20.0	257	26.2							
22300 - 250	833	473	360	473	360	250	26.0	321	32.8	290	22	12.5	407	469	GSBR8A GSBR8B GSBR8C GSBR8D (P.384)	
22300 - 300						300	31.0	385	39.3							
22360 - 215						215	22.0	284	29.0							
22360 - 345	833	473	360	473	360	345	35.0	456	46.5	350	22	12.5	440	523	GSBR8A GSBR8B GSBR8C GSBR8D (P.384)	
22360 - 400						400	41.0	511	52.1							

Ordering Example: Part Number - Reaction Force
FGS15049 - 150

Mounting Brackets for Gas Springs



RoHS10

Part Number	M	S	A	Applicable Gas Spring
GSBR8A	SS400	Trivalent Chromate	① E Type Retaining Ring 1 pc. ② Washer 1 pc.	FGS22□□
GSBR8A-S		Black	① E Type Retaining Ring 1 pc. ③ PMA Bushing 1 pc. each	FGSS15□□18□□22□□

Part Number	M	S	A	Applicable Gas Spring
GSBR6A	SS400	Trivalent Chromate	① E Type Retaining Ring 1 pc. ② Washer 1 pc.	FGS15□□ FGS18□□
GSBR6A-S		Black	① E Type Retaining Ring 1 pc. ② Washer 1 pc.	FGS15□□ FGS18□□

Part Number	M	S	A	Applicable Gas Spring
GSBR8B	SS400	Trivalent Chromate	① E Type Retaining Ring 1 pc. ② Washer 1 pc.	FGS22□□
GSBR8B-S		Black	① E Type Retaining Ring 1 pc. ③ PMA Bushing 1 pc. each	FGSS15□□18□□22□□

Part Number	M	S	A	Applicable Gas Spring
GSBR6B	SS400	Trivalent Chromate	① E Type Retaining Ring 1 pc. ② Washer 1 pc.	FGS15□□ FGS18□□
GSBR6B-S		Black	① E Type Retaining Ring 1 pc. ② Washer 1 pc.	FGS15□□ FGS18□□

Part Number	M	S	A	Applicable Gas Spring
GSBR8D	SS400	Trivalent Chromate	① E Type Retaining Ring 1 pc. ② Washer 1 pc.	FGS22□□
GSBR8D-S		Black	① E Type Retaining Ring 1 pc. ③ PMA Bushing 1 pc. each	FGSS15□□18□□22□□

Part Number	M	S	A	Applicable Gas Spring
GSBR6D	SS400	Trivalent Chromate	① E Type Retaining Ring 1 pc. ② Washer 1 pc.	FGS15□□ FGS18□□
GSBR6D-S		Black	① E Type Retaining Ring 1 pc. ② Washer 1 pc.	FGS15□□ FGS18□□

Part Number	M	S	A	Applicable Gas Spring
GSBR8F-S	SS400	Trivalent Chromate	① E Type Retaining Ring 1 pc. ② Precision Flat Pin 1 pc. ③ PMA Bushing 2 pcs.	FGSS27□□

Part Number	Brackets for FGS	Mass (g)	Unit Price	Part Number	Brackets for FGS	Mass (g)	Unit Price
6A	FGS15	15	1-9 pcs(s).	8A-S	FGSS15	62	
6B	FGS18	49		8B-S	FGSS18	54	
6C	P.383			8C-S	FGSS22	54	
6D				8D-S	FGSS27	67	
8A	FGS22	61					
8B							
8C							
8D							

Ordering Example: Part Number: GSBR6A