

Gas Springs

Reaction Force Selection Type

Mounting Orientation Limited Type

Code	Type	Material				Surface Treatment			Gas	Operating Temperature
		Cylinder	Rod	Bushing	Tip	Cylinder	Rod	Tip		
FHJ41	Mounting Orientation Limited Type	STKM11A	S20C	Polyacetal (White)	Q235	Baked-On (Black Matt)	Hard Chrome Plating	Baked-On (Black Matt)	Nitrogen Gas N ₂	-20°C ~ 60°C

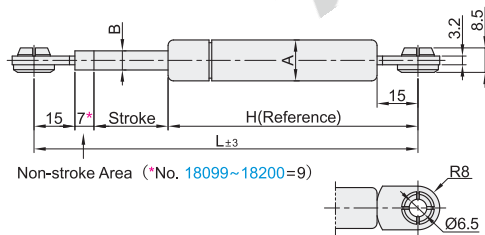
① For No.15049, operating temperature should be 0~60°C.

Gas Springs Tolerance Standard	
Force (N)	Tolerance Range
≤100	-5/+15
101~200	-10/+20
201~400	-15/+30
401~600	-20/+40

Gas Springs Tolerance Standard	
Force (N)	Tolerance Range
601~800	-25/+50
801~1000	-30/+60
1001~1200	-35/+70
>1200	-40/+80

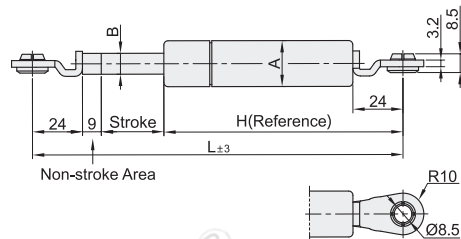


No. 15049~18200



Non-stroke Area (*No. 18099~18200=9)

No. 22250~22360



Non-stroke Area



The first perspective

① See P1117 for applicable gas spring mounting bracket.

Part Number		Reaction Force Fa	Lmax	Lmin	Stroke max	Gas Reaction Force(20°C)				A	B	H	Applicable Mounting Bracket	Weight (g)	
Code	No.					Max.Length-10mm Stroke		Max.Length-(s)mm Stroke							(S)
						Fa	Fb	N	kgf	N					
FHJ41	15049	030	181	132	49	30	3	40	4.1	39		110		81	
		055				55	6	71	7.2						
		070				70	7.1	89	9						
		085				85	9	109	11.1						
		150				150	15	191	19.5						
	15069	050	221	152	69	50	5	67	6.8	59	15	6	130	94	
		080				80	8	107	10.9						
		100				100	10.2	132	13.4						
		120				120	12	158	16.1						
		070				70	7	94	9.6						
	15089	085	261	172	89	85	8.7	115	11.7	79		150		107	
		100				100	10	135	13.8						
		150				150	15	202	20.6						
		200				200	20	268	27.3						
		075				75	8	101	10.3						
	15099	120	281	182	99	120	12	162	16.5	89		160	FHJ51-6A FHJ51-6B FHJ51-6C FHJ51-6D	114	
		200				200	20	270	27.6						
		300				300	30.5	392	39.9						
	18099	400	281	184	97	400	40.7	522	53.2	110		221		181	
		100				100	10	123	13						
		200				200	20	245	25						
	18120	300	365	245	120	300	31	367	37	140	18	8	246	203	
		400				400	41	489	50						
		100				100	10	126	12.9						
	18150	150	420	270	150	150	15	188	19.2	190		301		246	
		200				200	20	251	25.6						
		250				250	26	313	31.9						
	18200	100	525	325	200	100	10	127	13	240	10	352		407	
		150				150	15	190	19.4						
		200				200	20	253	25.8						
		300				300	31	379	38.7						
		100				100	10	129	13.2						
	22250	150	635	385	250	150	15.2	193	19.6	260	22	12.5	367	FHJ51-8A FHJ51-8B FHJ51-8C FHJ51-8D	529
		200				200	20	257	26.2						
		300				300	31	384	39.2						
		400				400	41	511	52.1						
		345				345	35	528	53.9						
	22270	500	670	400	270	500	51	763	77.9	280		377		554	
		700				700	71	1065	108.7						
		745				745	76	1160	118.4						
	22290	845	700	410	290	845	86	1314	134.1	290		407		467	
		200				200	20	257	26.2						
		250				250	26	321	32.8						
	22300	300	740	440	300	300	31	385	39.3	350		440		521	
		215				215	22	284	29						
		345				345	35	456	46.5						



Please order as shown

Part Number		Reaction Force Fa
Code	No.	
FHJ41	15049	055

FHJ41—15049—030



Discount price	
Per	1~9 10~
Price	100% Additional quotation



Delivery	
Per	7