

Gas Springs/Stainless Steel Gas Springs

Gas Reaction Force Configurable Type

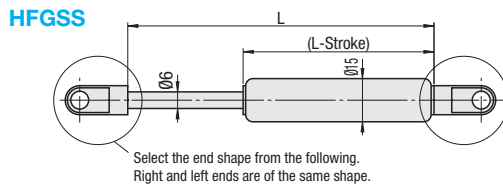
Gas Springs

Usable at any angle.

Though usable at any angle, rod facing downward is recommended.

Operating Temperature : -20 ~ 80°C

RoHS10



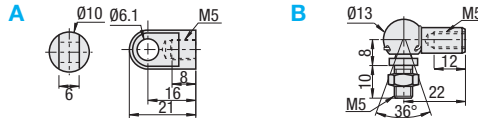
Material

Rod : Alloy Tool Steel (SKS Equivalent)
Main Body : Carbon Steel Tube for Pressure Service (STPG)
(DIN Standards: St37-2)
Clevis : Rolled Steel for General Structure (SS Equivalent)
Gas : Nitrogen Gas
Tip : Rolled Steel for General Structure (SS Equivalent)

Surface Treatment

Rod : Ceramic Coating
Main Body : Black Paint
Clevis : Zinc Galvanizing
Tip : Zinc Galvanizing

Tip



Part Number Type	Tip Shape	Stroke	Gas Reaction Force (20°C)N Max. Length-5mm	Lmax	Gas Reaction Force Change Rate Min. Length-5mm	Weight (g)	Unit Price				
							Tip Shape A	Tip Shape B	Tip Shape C		
HFGSS	A	40	N	20-400	126%	49					
		50				55					
		60				61					
		80				73					
		100				84					
	B	120				96					
		150				113					
		C				10N Increment	266				
							326	128%	113		

Ordering Example

Part Number

Type - Tip Shape - Stroke - N

HFGSS - A - 60 - N300

Brackets for HFGSS

HFBRA

HFBRB

Material: Rolled Steel for General Structure (SS Equivalent)
Surface Treatment: Zinc Plating

RoHS10

Kgf (Load) = Nx0.101972

Part Number	Mass (g)	Unit Price
HFBRA	10	
HFBRB	55	

Ordering Example

Part Number

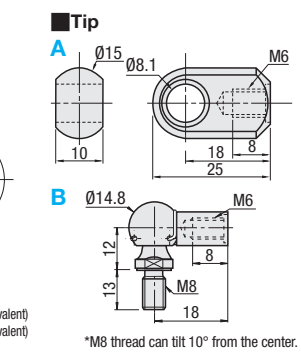
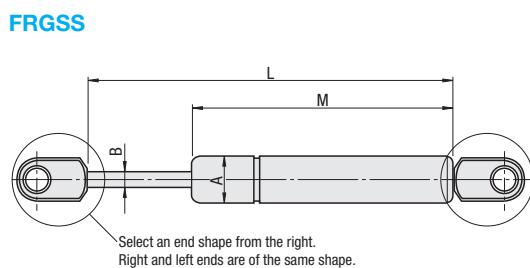
HFBRA

Stainless Steel Gas Springs

Use Within this range.

Operating Temperature : -30°C ~ 80°C
Operating Range : Within 60° with rod facing downward

RoHS10



Material

Cylinder : DIN EN 10088-1 (SUS304 Equivalent)
Rod : DIN EN 10088-1 (SUS304 Equivalent)
Gas : Nitrogen Gas
Tip : SUS304 Equivalent

Part Number Type	Tip Shape	Stroke	Gas Reaction Force (20°C)N Max. Length-5mm	Lmax	M	A	B	Weight (g)	Unit Price						
									Tip Shape A	Tip Shape B					
FRGSS	A	60	100 (10.2kgf)	171	104.5			140							
			125 (12.8kgf)												
			150 (15.3kgf)												
		80	100 (10.2kgf)						211	126.5	18	8	190		
			150 (15.3kgf)												
			200 (20.4kgf)												
	B	100	100 (10.2kgf)	251	145.5		200								
			200 (20.4kgf)												
			300 (30.6kgf)												
		400	100 (10.2kgf)												
			200 (20.4kgf)												
			400 (40.8kgf)												

*** Example of Gas Reaction Calculation**

Specified Gas Reaction Force Max. Length-5mm (Lmax-5)	Min. Length +5mm (Lmax-Stroke+5)
100N	134N

Gas reaction force change rate is 34% regardless of its stroke.

Kgf (Load) = Nx0.101972

Ordering Example

Part Number

Type - Tip Shape - Stroke - N

FRGSS - A - 60 - 100