

Gas Springs

Attaching Brackets for Gas Springs/Gas Springs

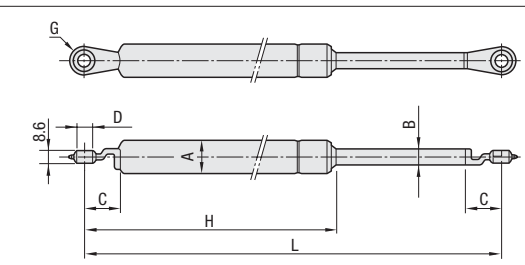
–Free Attachable Type with Brackets–

CAD Data

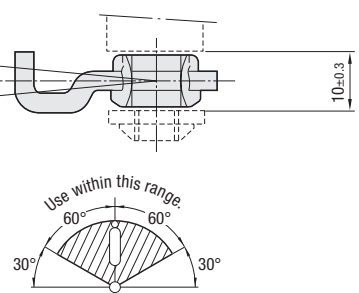
CAD Data



GSS



Twisted Angle
±5° or Less



Use within this range.

Operating Temperature: -20~60°C

□ Cylinder : STKM12BEC (Carbon Steel Pipes for Machine Structural Use)
Rod : 1.1181/C35E (Ck35)
Bushings: Polyacetal Resin (White)
Gas : Nitrogen Gas (N₂)
□ Cylinder : Baking Finish (Black Matt)
Rod : Gas Soft Nitriding Treatment

Gas Springs

Part Number		Max. Length (Lmax)	Min. Length (Lmin)	Stroke	Gas Reaction Force (20°C)		A	B	C	D	G	H	Applicable Brackets	Weight (g)	Unit Price					
Type	No.				Max. Length-10mm	Max. Length-1mm									Qty.1~4					
					(kgf)	(kgf)														
GSS	15050A	181.0	131.0	50.0	2.8	3.3 (40)	15	6	15	6.5	R8	111	GSSB6A (P.1478)	75	17,90					
	15050B				8.7	10.4 (40)														
	15050C				15.0	17.8 (40)														
	15070A	221.0	151.0	70.0	8.3	10.4 (40)						131		90	18,50					
	15070B				12.1	12.6 (41.5)														
	15090A	261.0	171.0	90.0	7.0	9.1 (80)						151		108	19,10					
	15090B				8.1	10.5 (80)														
	15090C				9.0	11.7 (80)														
	15090D				15.0	19.5 (80)														
	15100A	281.0	181.0	100.0	7.8	10.5 (90)						161		120	19,40					
	15100B				20.0	26.2 (90)														
	18090A	261.0	171.0	90.0	26.8	36.0 (90)						18		8			154	170	19,10	
	18100A	281.0	181.0	100.0	33.0	43.6 (90)											163	190	19,40	
	22235A	580.0	344.5	235.5	13.2	19.9 (206)						22		10	24	8.5	R10	320.5	370	20,30
	22080A	279.0	199.0	80.0	20.0	25.0 (80)	169.5	178	19,20											
	22096A	306.0	210.0	96.0	40.0	51.6 (91)	186.5	195	19,40											
	22142A	472.0	330.0	142.0	28.5	37.8 (125)	306	300	21,20											
	22147A	412.0	265.0	147.0	15.0	19.7 (130)	241	265	20,90											
	22235B	580.0	344.5	235.5	25.3	31.9 (206)	320.5	370	23,00											
	22356A	833.0	476.5	356.5	22.0	29.4 (350)	452	530	26,30											
	22356B				35.2	46.9 (350)														
	22243A	627.0	384.0	243.0	20.0	30.7 (215)	360	470	23,60											
	22243B				44.2	67.0 (215)														
	22270A	670.0	400.0	270.0	35.0	49.6 (240)	12.5	20			376		500					24,20		
	22270B				51.7	75.1 (240)														
	22300A	700.0	400.0	300.0	76.0	118.3 (275)													525	24,60
	22300B				86.2	134.6 (275)														



Order Example

Part Number

GSS15050B



Days to Ship

8 Days



Price

Volume Discount P.92

Quantity	1~4	5~9	10~19	20~49
Rate	Price List	5%	10%	15%

For attaching brackets, refer to P.1478.

For orders larger than indicated values, please request for quotation.

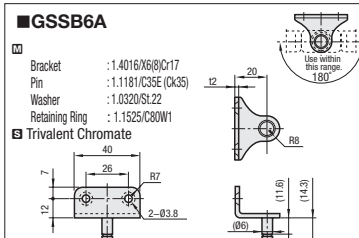
Attaching Brackets for Gas Springs (Washer 1 pc. and Retaining Ring · 1 pc. attached)

RoHS

GSSB6A

Bracket : 1.4016/X68(Cr17)
Pin : 1.1181/C35E (Ck35)
Washer : 1.0320/SL22
Retaining Ring : 1.1525/C80W1

Trivalent Chromate

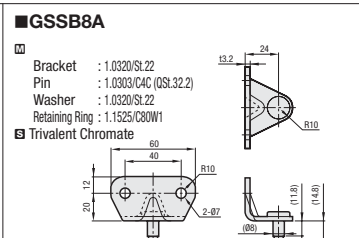


Part Number	Mass (g)	Unit Price
GSSB 6A	20	5,50

GSSB8A

Bracket : 1.0320/SL22
Pin : 1.0303/C4C (QSL32.2)
Washer : 1.0320/SL22
Retaining Ring : 1.1525/C80W1

Trivalent Chromate

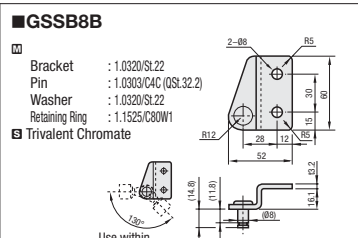


Part Number	Mass (g)	Unit Price
GSSB 8A	60	5,50

GSSB8B

Bracket : 1.0320/SL22
Pin : 1.0303/C4C (QSL32.2)
Washer : 1.0320/SL22
Retaining Ring : 1.1525/C80W1

Trivalent Chromate

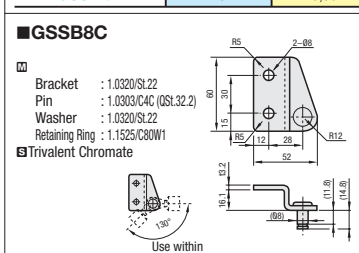


Part Number	Mass (g)	Unit Price
GSSB 8B	60	5,50

GSSB8C

Bracket : 1.0320/SL22
Pin : 1.0303/C4C (QSL32.2)
Washer : 1.0320/SL22
Retaining Ring : 1.1525/C80W1

Trivalent Chromate

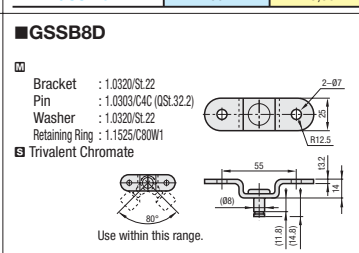


Part Number	Mass (g)	Unit Price
GSSB 8C	60	5,50

GSSB8D

Bracket : 1.0320/SL22
Pin : 1.0303/C4C (QSL32.2)
Washer : 1.0320/SL22
Retaining Ring : 1.1525/C80W1

Trivalent Chromate

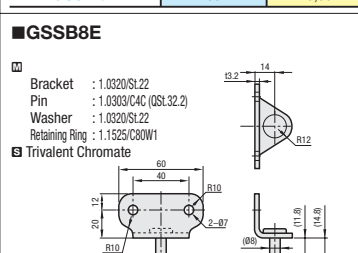


Part Number	Mass (g)	Unit Price
GSSB 8D	60	5,50

GSSB8E

Bracket : 1.0320/SL22
Pin : 1.0303/C4C (QSL32.2)
Washer : 1.0320/SL22
Retaining Ring : 1.1525/C80W1

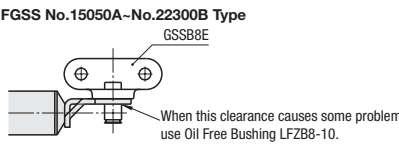
Trivalent Chromate



Part Number	Mass (g)	Unit Price
GSSB 8E	60	5,50

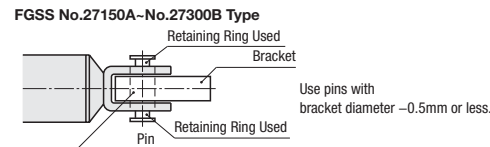
Installation Example to FGSS

FGSS No.15050A~No.22300B Type



When this clearance causes some problems, use Oil Free Bushing LFZB8-10.

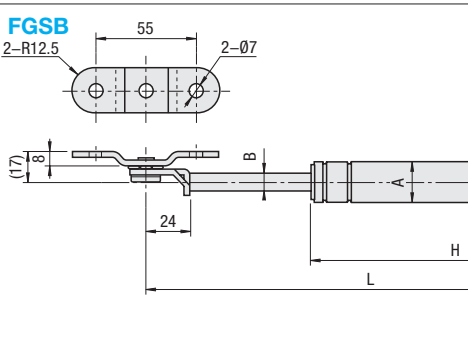
FGSS No.27150A~No.27300B Type



Use pins with bracket diameter -0.5mm or less.



FGSB



Operating Temperature -20~60°C

□ Cylinder : 1.0034/S205G2T (RSL34)
(Carbon Steel Pipes for Machine Structural Use)
Rod : 1.1151/C22E (Ck22)
Gas : Nitrogen Gas (N₂)

□ Cylinder : Baking Finish (Black Matt)
Rod : Hard Chrome Plating

Part Number		Max. Length (Lmax)	Min. Length (Lmin)	Stroke	Gas Reaction Force (20°C)		A	B	H	Weight (g)	Unit Price
Type	No.				Max. Length-10mm (kgf)	Max. Length- (mm) (kgf)					Qty.1~4
FGSB	15050A	246	196	50	5	7 (40)	15	7	164	145	25,80
	15050B				10	13 (40)					
	15100A				5	7 (90)					
	15100B	386	286	100	10	13 (90)					
	22100A				20	28 (90)					
	22100C				40	56 (90)					
	22150A	526	376	150	20	28 (140)	22	10	253	400	26,10
	22150C				40	55 (140)					
	22200A				20	27 (190)					
	22200C	666	466	200	40	54 (190)					

Attached bracket of FGSB is different from brackets shown above (GSSB6A, etc.).

Order Example

Gas Springs

Attaching Brackets

Part Number

FGSB22100A

GSSB6A

Days to Ship

8 Days

Gas Spring FGSB

Express A

€2,00/piece

P.92

Attaching Brackets

8 Days

Gas Spring FGSB

Volume Discount P.92

Quantity	1~4	5~9	10~14	15~19
Rate	Price List	5%	10%	15%

Attaching Brackets for Gas Springs

Volume Discount P.92

Quantity	1~4	5~9	10~19	20~49
Rate	Price List	5%	10%	15%

For orders larger than indicated values, please request for quotation.