


GAS SPRINGS FOR PLASTIC MOLD

HOLDER FOR GAS SPRING

ⓘ Non JIS material definition is listed on P.1351 - 1352

RoHS

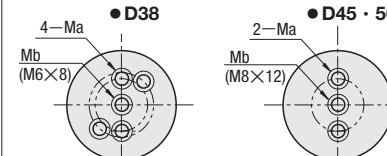


■ Allowable eccentricity
0.3/100mm

■ Lubrication method
Oil-free

MBPGS-A
MBPGS-B

● D38 ● D45 · 50

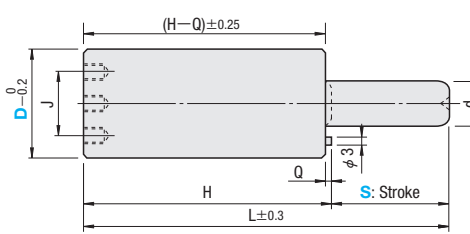


Ⓜ Mb cannot be used for mounting.

Nitrogen gas sealing pressure	MPa(kgf/cm ²)	
	Initial load	Max. load
MBPGS-A	38	6.4(65)
	45	9.2(94)
	50	7.8(80)
MBPGS-B	38	8.0(82)
	45	10.2(104)
	50	9.2(94)

Ⓢ Sealing pressure is the value under 20°C.

ⓘ If used outside the stroke range S, gas release occurs and piston rod becomes unable to return. Be sure to use within the stroke range so that it will not come into contact with overstroke check pin.



Ⓜ Cylinder body
M SCM440 comparable
S Fe₃O₄ (Black Oxide)
Ⓢ Temperature to be used: 0~100°C

Ⓜ Piston rod
M SACM645
H 100OHV~(surface)
S Nitriding+Barrel polishing
Ⓢ A center hole may be left on the tip.

Weight (kg)	D	d	L	H	Tap for mounting Ma	J	Q	Load N (kgf) [20°C]		Stroke S	Part Number	U/Price			
								Initial load	Max. load						
0.85	38	20	250	150	M6×8	18	25	2000	2700	100	38-100	1~9			
0.93			300	175									MBPGS-A	38-125	
1.21			370	210											38-160
1.37			450	250											
1.76	45	25	285	185	M8×12	20	2	4500	6500	100	45-100	Quotation			
1.98			335	210									MBPGS-A	45-125	
2.28			405	245											45-160
2.60			485	285											
2.31	50	30	295	195	M8×12	20	3	5500	8800	100	50-100	Quotation			
2.59			345	220									MBPGS-B	50-125	
2.95			415	255											50-160
3.32			495	295											
3.78	595	345	50-250												
0.85	38	20	250	150	M6×8	18	25	2500	3350	100	38-100	Quotation			
0.93			300	175									MBPGS-B	38-125	
1.21			370	210											38-160
1.37			450	250											
1.76	45	25	285	185	M8×12	20	2	5000	7250	100	45-100	Quotation			
1.98			335	210									MBPGS-B	45-125	
2.28			405	245											45-160
2.60			485	285											
2.31	50	30	295	195	M8×12	20	3	6500	10400	100	50-100	Quotation			
2.59			345	220									MBPGS-B	50-125	
2.95			415	255											50-160
3.32			495	295											
3.78	595	345	50-250												

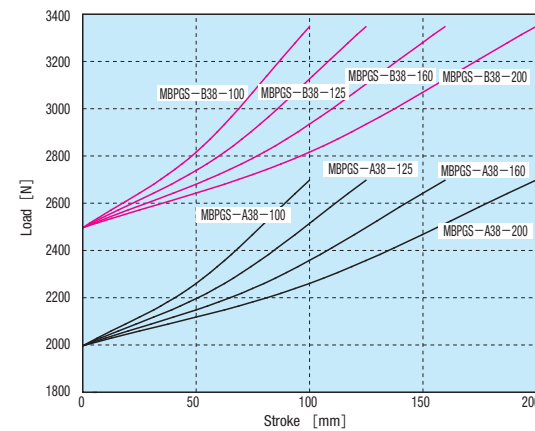
ⓘ Initial load and max. load are values at 20°C.
 • Load(kgf)=Load N×0.101972 • Load(N)=Load(kgf)×9.80665
 • Nitrogen gas sealing pressure kgf/cm²=MPa×10.1972 MPa=kgf/cm²×0.0980665
 Ⓢ Be sure to mount the gas spring for plastic mold with two bolts using the mounting hole of Ma.
 Ⓢ In case of D38, the tap for mounting is processed in two pitches, i.e. J18 and J25.

Order Part Number
MBPGS-A 38-125

Days to Ship Quotation


Price Quotation

■ MBPGS-A/MBPGS-B Load characteristic graph ① D38



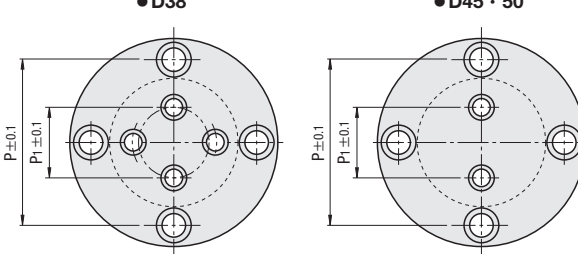
※ The above load characteristic graph is the value at 20°C. When used at 100°C, the load increases by approx. 24%.

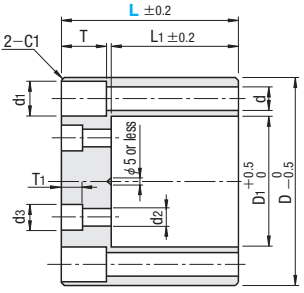
RoHS



MBPGS-H

● D38 ● D45 · 50





Ⓜ SS400
S Fe₃O₄ (Black Oxide)

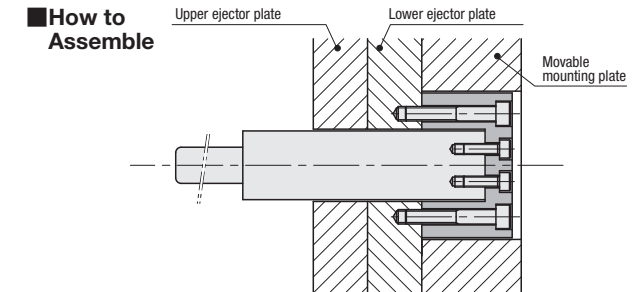
L	L ₁	D	D ₁	P	d	d ₁	T	P ₁	d ₂	d ₃	T ₁	Socket head cap screws		Part Number		L	U/Price
												Type	No.	Type	No.		
40	25	80	40	57	9	14	9	18	25	7	12	7	M 8-35 4	M6-20 ×2	38	40	Quotation
50	35												M 8-50 4			50	
55	40												M 8-55 4			55	
45	30	90	47	68	11	17	11	20	9	14	9	M10-45 4	M8-15 ×2	45	45	Quotation	
55	40											M10-55 4			55		
65	50											M10-65 4			65		
55	40	100	52	75	13	20	13	20	9	14	9	M12-55 4	M8-15 ×2	50	55	Quotation	
65	50											M12-65 4			65		
75	60											M12-75 4			75		

ⓘ For MBPGS-H38, the bolt hole for mounting gas spring is processed by two pitches: P₁=18 and P₁=25.

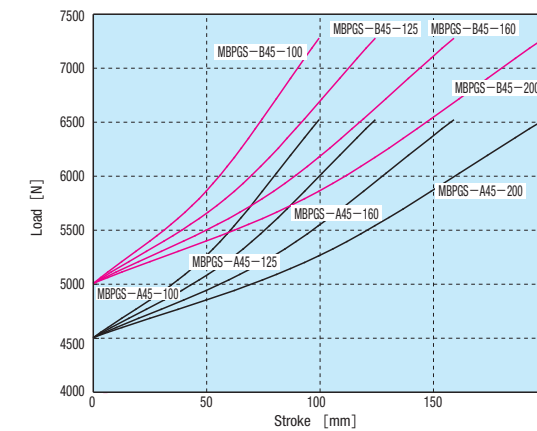
Order Part Number
MBPGS-H 38-40

Days to Ship Quotation

Price Quotation

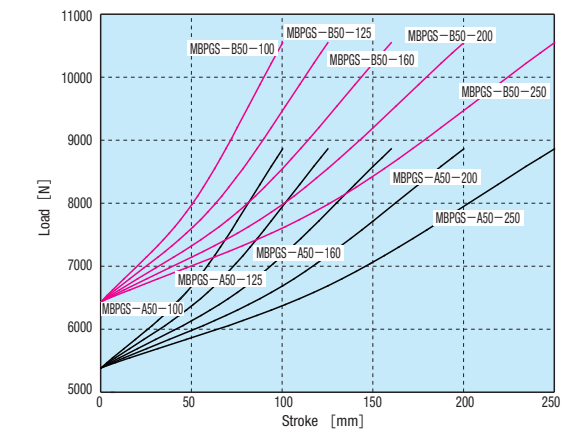


■ MBPGS-A/MBPGS-B Load characteristic graph ② D45



※ The above load characteristic graph is the value at 20°C. When used at 100°C, the load increases by approx. 24%.

■ MBPGS-A/MBPGS-B Load characteristic graph ③ D50



※ The above load characteristic graph is the value at 20°C. When used at 100°C, the load increases by approx. 24%.