



CE ISO9001

MGP Series Three-Shaft Cylinder



MGPM 20×30



MGPM 25×50

Ordering Code

MGP

Series Code
MGP: Attach magnet Type

M

Type of Bearing
M: Slide Bearing
L: Ball Guide Bearing

25

Cylinder Bore
12mm-100mm

×

40

Stroke
10~200mm

Specification

Bore(mm)		12	16	20	25	32	40	50	63	80	100
Working Medium		Air									
Motion Pattern		Double-action									
Ensured Pressure Resistance		1.5Mpa(15.3kgf/cm ²)									
Max.Operating pressure		1.0Mpa(10.2kgf/cm ²)									
Min. Operating pressure		0.12Mpa(1.2kgf/cm ²)									
Ambient and Medium Temperature		-10~+60℃									
Piston Speed		50~500mm/s								50~400mm/s	
Buffer		Rubber Cushion									
Tolerance of Stroke		+1.5 0 mm									
Bearing		Slide bearing/ball guide bearing									
Precision of Piston rod Non-rotating	Slide Bearing	±0.08°		±0.07°		±0.06°		±0.05°		±0.04°	
	Ball Guide Bearing	±0.10°		±0.09°		±0.08°		±0.06°		±0.05°	
Port size		M5×0.8		G1/8"				G1/4"		G3/8"	

Standard stroke

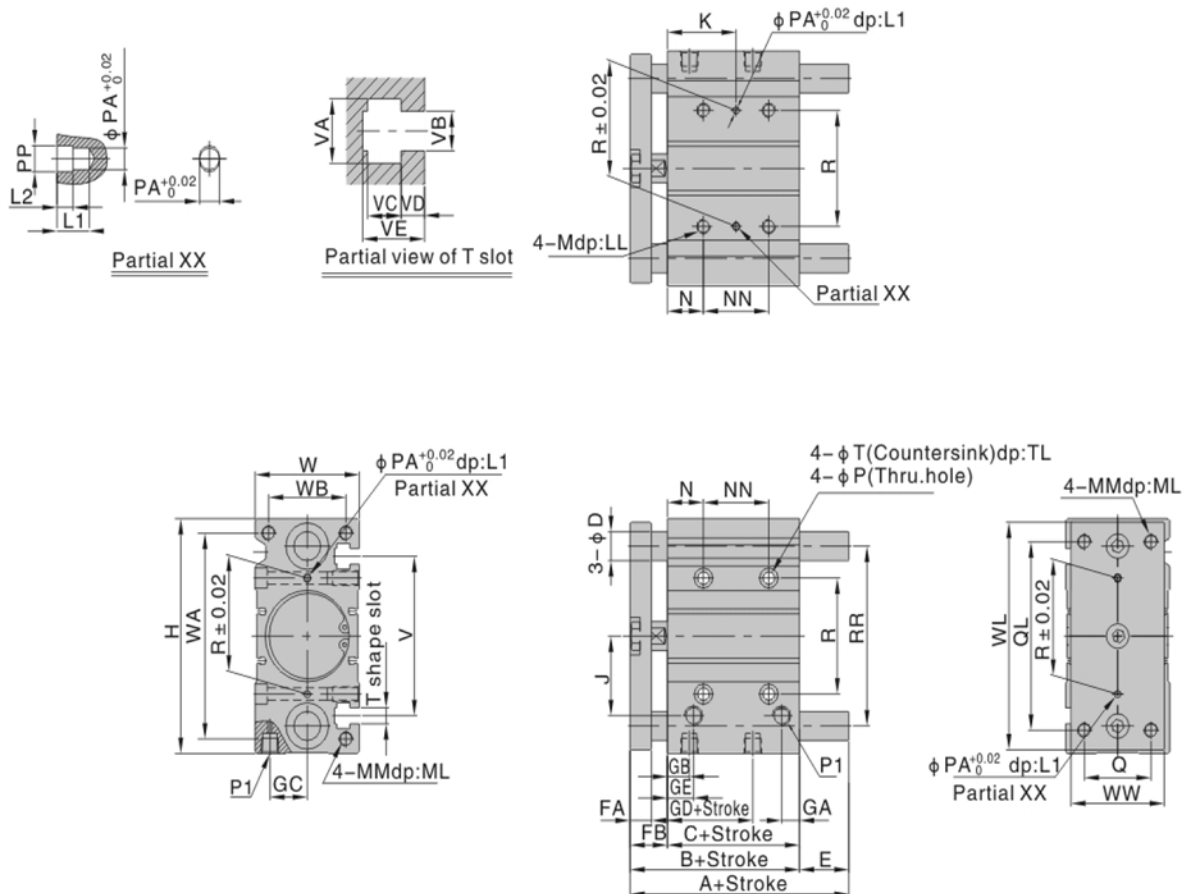
Bore size (mm)	Standard stroke (mm)
12,16	10,20,30,40,50,75,100,125,150,175,200,250
20,25	20,30,40,50,75,100,125,150,175,200,250,300,350,400
32 to 100	25,50,75,100,125,150,175,200,250,300,350,400



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■ Dimensions



Bore size\Item	A				E				NN				K			
Stroke	≤30	31~100	101~200	>200	≤30	31~100	101~200	>200	≤30	31~100	101~200	>200	≤30	31~100	101~200	>200
12	42	55	85	-	4	13	43	-	20	40	110	-	15	25	60	-
16	46	65	95	-	3	19	49	-	24	44	110	-	17	27	60	-
20	53	80	104	122	-2	27	51	69	24	44	120	200	29	39	77	117
25	53.5	82	104.5	122.5	-1.5	28.5	51	68.5	24	44	120	200	29	39	77	117
Stroke	≤50	51~100	101~200	>200	≤50	51~100	101~200	>200	≤40	41~100	101~200	>200	≤40	41~100	101~200	>200
32	65	102	118	140	5.5	42.5	58.5	80.5	24	48	124	200	33	45	83	121
40	66	101	118	140	-1	36	52	74	24	48	124	200	34	46	84	122
50	76	118	134	161	4	46	62	89	24	48	124	200	36	48	86	124
63	77	118	134	161	-1	41	57	84	28	52	128	200	38	50	88	124

Bore size\Item	B	C	FA	FB	P1	GA	GB	GC	GD	GE	R
12	42	29	8	13	M5×0.8	7.5	11	8	13	11	23
16	46	33	8	13	M5×0.8	8	11	10	15	11	24
20	53	37	10	16	1/8"	9	10.5	10.5	12.5	10.5	28
25	53.5	37.5	10	16	1/8"	9	11.5	13.5	12.5	11.5	34
32	59.5	37.5	12	22	1/8"	9	12.5	15	7	12.5	42
40	66	44	12	22	1/8"	10	14	18	13	14	50
50	72	44	16	28	1/4"	11	12	21.5	9	14	66
63	77	49	16	28	1/4"	13.5	16.5	28	14	16.5	80

Bore size\Item	RR	N	P	PA	PP	T	TL	M	LL	D	J	W	WA	WB	WL	WW	H	Q	QL	MM	ML	L1	L2	V	VA	VB	VC	VD	VE
12	41	5	4.3	3	3.5	8	4.5	M5×0.8	10	6	18	26	50	18	56	22	58	14	48	M4×0.7	10	6	3	37	7.4	4.4	3.7	2	6.2
16	46	5	4.3	3	3.5	8	4.5	M5×0.8	10	8	19	30	56	22	62	25	64	16	54	M5×0.8	12	6	3	38	7.4	4.4	3.7	2.5	6.7
20	54	17	5.6	3	3.5	9.5	5.5	M6×1.0	12	10	25	36	72	24	81	30	83	18	70	M5×0.8	13	6	3	44	8.4	5.4	4.5	2.8	7.8
25	64	17	5.6	4	4.5	9.5	5.5	M6×1.0	12	12	28.5	42	82	30	91	38	93	26	78	M6×1.0	15	6	3	50	8.4	5.4	4.5	3	8.2
32	78	21	6.6	4	4.5	11	7.5	M8×1.25	16	16	34	48	98	34	110	44	112	30	96	M8×1.25	20	6	3	63	10.5	6.5	5.5	3.5	9.5
40	86	22	6.6	4	4.5	11	7.5	M8×1.25	16	16	38	54	106	40	118	44	120	30	104	M8×1.25	20	6	3	72	10.5	6.5	5.5	4	11
50	110	24	8.6	5	6	14	9	M10×1.5	20	20	47	64	130	46	146	60	148	40	130	M10×1.5	22	8	4	92	13.5	8.5	7.5	4.5	13.5
63	124	24	8.6	5	6	14	9	M10×1.5	20	20	55	78	142	58	158	70	162	50	130	M10×1.5	22	8	4	110	17.8	11	10	7	18.5