



订购码 Ordering Code

MGP

系列代号
内置磁环型
Series Code
MGP-Attach
magnet Type

M

轴承种类
M:滑动轴承
L:滚珠导向轴承
Type of Bearing
M:Slide Bearing
L:Ball Guide Bearing

25

缸径
Cylinder Bore
12-Φ100mm

×

40

行程
Stroke
10~200mm

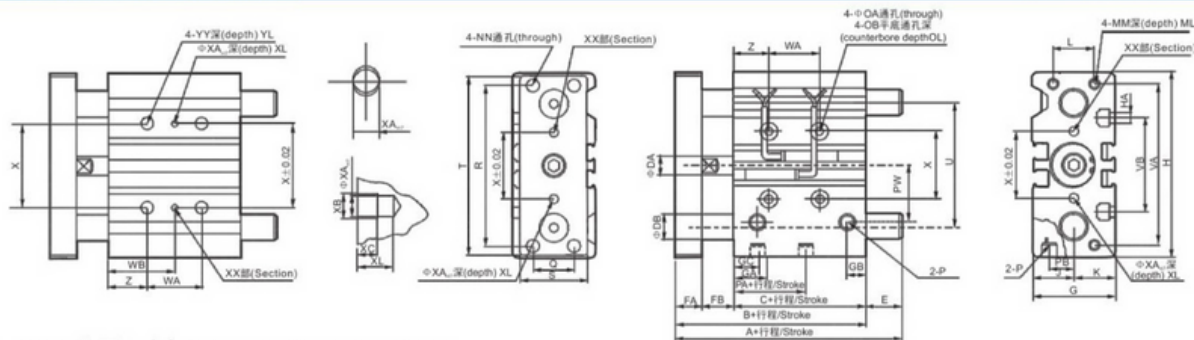
规格 Specification

MGPM25 x 20

内径/Bore(mm)		12	16	20	25	32	40	50	63	80	100
工作介质/Working Medium		空气/Air									
动作型式/Motion Pattern		复动型/Double-action									
保证耐压力/Ensured Pressure Resistance		1.5Mpa(15.3kgf/cm²)									
最高使用压力/Max.Operating pressure		1.0Mpa(10.2kgf/cm²)									
最低工作压力/Min. Operating pressure		0.12Mpa(1.2kgf/cm²)									
环境和流体温度/Ambient and Medium Temperature		-10~+60℃									
活塞速度/Piston Speed		50~500mm/s								50~400mm/s	
缓冲/Buffer		橡胶缓冲/Rubber Cushion									
行准公差/Tolerance of Stroke		+1.5 0 mm									
轴承/Bearing		滑动轴承/滚珠导向轴承 (Slide bearing/ball guide bearing)									
活套杆不转动精度 Precision of Piston rod Non-rotating	滑动轴承/Slide Bearing	±0.08°		±0.07°		±0.06°		±0.05°		±0.04°	
	滚珠导向轴承/Ball Guide Bearing	±0.10°		±0.09°		±0.08°		±0.06°		±0.05°	
接管口径/Port size		M5×0.8		G1/8"				G1/4"		G3/8"	

外形尺寸 Overall Dimensions

Φ12~Φ25MGP 系列/Series



MGPM、MGPL共同尺寸表/Common Dimensions Sheet

缸径/ Bore size	标准行程/(mm) Standard stroke	B	C	DA	FA	FB	G	GA	GB	H	HA	J	K	L	MM	ML	NN	OA	OB	OL	P	PA	PB	PW	Q	R	S
12	10,20,30,40, 50,75,100	42	29	6	8	5	26	11	7.5	58	M4	13	13	18	M4×0.7	10	M4×0.7	4.3	8	4.5	M5×0.8	13	8	18	14	48	22
16		46	33	8	8	5	30	11	8	64	M4	15	15	22	M5×0.8	12	M5×0.8	4.3	8	4.5	M5×0.8	15	10	19	16	54	25
20	20,30,40,50, 75,100,125, 150,175,200	53	37	10	10	6	36	10.5	8.5	83	M5	18	18	24	M5×0.8	13	M5×0.8	5.6	9.5	5.5	RC1/8	12.5	10.5	25	18	70	30
25		53.5	37.5	12	10	6	42	11.5	9	93	M5	21	21	30	M6×1.0	15	M6×1.0	5.6	9.5	5.5	RC1/8	12.5	13.5	28.5	26	78	38

缸径/ Bore size	标准行程/(mm) Standard stroke	T	U	VA	VB	WA			WB			X	XA	XB	XC	XL	YY	YL	Z
						30 或以下 st or less	Over 40 st to 100 st	125 或以下 st or less	30 或以下 st or less	Over 40 st to 100 st	125 或以下 st or less								
12	10,20,30,40, 50,75,100	56	41	50	37	20	40	-	15	25	-	23	3	3.5	3	6	M5×0.8	10	5
16		62	46	56	38	24	44	-	17	27	-	24	3	3.5	3	6	M5×0.8	10	5
20	20,30,40,50, 75,100,125, 150,175,200	81	54	72	44	24	44	120	29	39	77	28	3	3.5	3	6	M6×1.0	12	17
25		91	64	82	50	24	44	120	29	39	77	34	4	4.5	3	6	M6×1.0	12	17

MGPG(滑动轴承/Slide bearing)

MGPL(滚珠导向轴承/Ball bushing bearing)

MGPM(滑动轴承/Slide bearing)

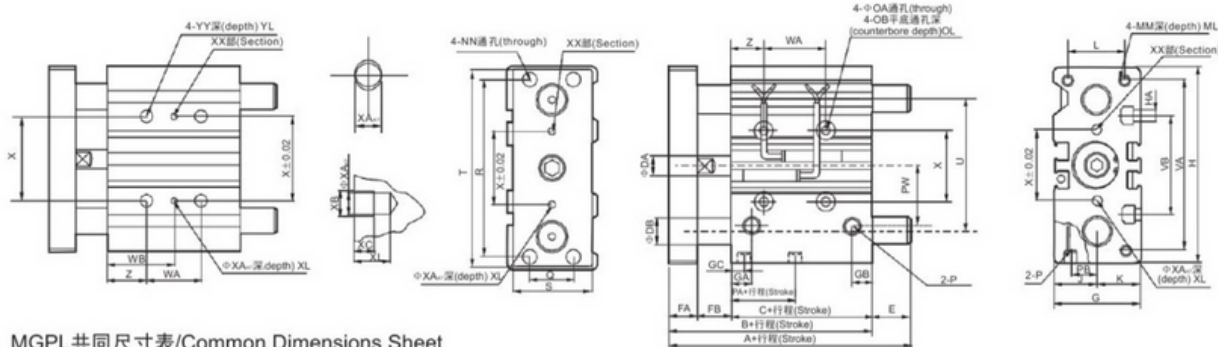
MGPL(滚珠导向轴承/Ball bushing bearing)

缸径/ Bore size	A						DB		E				缸径/ Bore size	A						DB		E				缸径/ Bore size	A						DB		E																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
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12	42	60.5	85	8	0	18.5	43	43	55	85	6	1	13	43	20	53	84.5	122	16	0	31.5	69	63	80	104	122	10	10	27	51	69	25	53.5	85	122	20	0	31.5	68.5	69.5	80.5	104.5	122	13	16	32	51	68.5																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
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外形尺寸 Overall Dimensions

φ32~φ63MGP 系列/Series



MGPM、MGPL 共同尺寸表/Common Dimensions Sheet

缸径/ Bore size	标准行程/(mm) Standard stroke	B	C	DA	FA	FB	G	GA	GB	GC	H	HA	J	K	L	MM	ML	NN	OA	OB	OL	P	PA	PB	PW	Q
32	25, 50, 70, 100, 125, 150, 175, 200	59.5	37.5	16	12	10	48	12.5	9	12.5	112	M6	24	24	34	M8×1.25	20	M8×1.25	6.6	11	7.5	RC1/8	7	15	34	30
40		66	44	16	12	10	54	14	10	14	120	M6	27	27	40	M8×1.25	20	M8×1.25	6.6	11	7.5	RC1/8	13	18	38	30
50		72	44	20	16	12	64	14	11	12	148	M8	32	32	46	M10×1.5	22	M10×1.5	8.6	14	9	RC1/4	9	21.5	47	40
63		77	49	20	16	12	78	16.5	13.5	16.5	162	M10	39	39	58	M10×1.5	22	M10×1.5	8.6	14	9	RC1/4	14	28	55	50

缸径/ Bore size	标准行程/(mm) Standard stroke	R	S	T	U	VA	VB	WA	WB	X	XA	XB	XC	XL	YY	YL	Z
32	25, 50, 70, 100, 125, 150, 175, 200	96	44	110	78	98	63	24	48	42	4	4.5	3	6	M8×1.25	16	21
40		104	44	118	86	106	72	24	48	50	4	4.5	3	6	M8×1.25	16	22
50		130	60	146	110	130	92	24	48	66	5	6	4	8	M10×1.5	20	24
63		130	70	158	124	142	110	28	52	80	5	6	4	8	M10×1.5	20	24

MGPM(滑动轴承/Slide bearing)

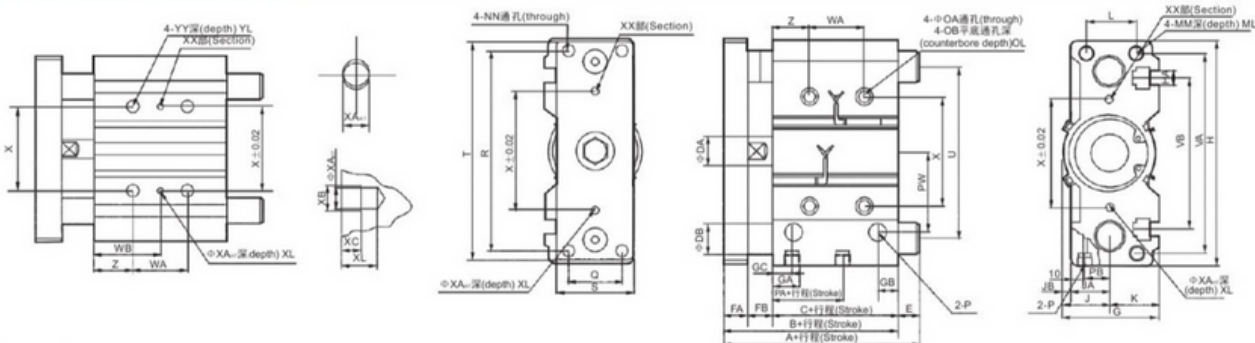
缸径/ Bore size	A	DB	E
32	97	102	140
40	97	102	140
50	106.5	118	161
63	106.5	118	161

MGPL(滚动导向轴承/Ball bushing bearing)

缸径/ Bore size	A	DB	E
32	81	98	118
40	81	98	118
50	93	114	134
63	93	114	134

外形尺寸 Overall Dimensions

φ80~φ100MGP 系列/Series



缸径/ Bore size	标准行程/(mm) Standard stroke	B	C	DA	FA	FB	G	GA	GB	GC	H	HA	J	LA	JB	K	L	MM	ML	NN	OA	OB	OL	P	PA	PB
80	20,50, 75, 100,125,	95.5	56.5	25	22	18	91.5	19	15.5	14.5	202	M12	45.5	38	7.5	46	54	M12×1.75	30	M12×1.75	10.6	17.5	8	RC3/8	14.5	25.5
100	150,175,200	116	66	30	25	25	111.5	23	19	18	240	M14	55.5	45	10.5	56	62	M14×2.0	32	M14×2.0	12.5	20	8	RC3/8	17.5	32.5

缸径/ Bore size	标准行程/(mm) Standard stroke	PW	Q	R	S	T	U	VA	VB	WA			WB			X	XA	XB	XC	XL	YY	YL	Z					
										25 st	50,75,100 st	100 st 或以上 or above	25 st	50,75,100 st	100 st 或以上 or above													
80	20,50, 75, 100,125,	74	52	174	75	198	156	180	140	28		52		128		42		54		92	100	6	7	5	10	M12×1.75	24	28
100	150,175,200	89	64	210	90	236	188	210	166	48		72		148		35		47		85	124	6	7	5	10	M14×2.0	28	11

MGPM(滑动轴承/Slide bearing)

缸径/ Bore size	A	DB	E
80	115	142	193
100	137	162	203

MGPL(滚动导向轴承/Ball bushing bearing)

缸径/ Bore size	A	DB	E
80	109.5	130	160
100	121	147	180



订购码 Ordering Code

RSQ	B	20	15	D	R
系列代号 RSQ:基本型 RSDQ:内置磁环型 Series Code RSQ:Basic Type RSDQ:Magnet Within Type	安装 B:通孔 两端内螺纹 Installation B:hole A:Internal thread both ends	缸径 Cylinder Bore 20-φ20mm 32-φ32mm 40-φ40mm 50-φ50mm	行程 Stroke	动作 D:双动 双动(内置弹簧) 单动(弹簧压出) Action D:double action S:single action (with spring return) T:single action (with spring extent)	定程杆种类 无记号-圆柱型(φ20-φ50) K:扁柱型(φ20-φ50) R:滚轮型(φ20-φ50) L:杆杆式滚轮(内置吸震器)(φ32-φ50) B:杆杆式滚轮(内置可调吸震器)(φ32-φ50) C:杆杆式滚轮(内置可调吸震器、暂时取消装置)(φ32-φ50) D:杆杆式滚轮(内置可调吸震器、自锁装置)(φ32-φ50) E:杆杆式滚轮(内置可调吸震器、暂时取消及自锁装置)(φ32-φ50) Rod end Type Blank:Round bar type(φ20-φ50) K:Chamfered Type(φ20-φ50) R:Roller type(φ20-φ50) L:Level type with shock absorber(φ32-φ50) B:Level type with adjustable shock absorber(φ32-φ50) C:Level type with adjustable shock absorber, with cancel cap(φ32-φ50) D:Level type with adjustable shock absorber, with lock mechanism(φ32-φ50) E:Level type with adjustable shock absorber, with cancel cap & lock(φ32-φ50)

规格 Specification

内径/Bore(mm)	12	16	20	32	40	50
动作型式/Motion Pattern	双动,双动(内置弹簧),单动(弹簧压出)/Double acting, Double acting with spring loaded, Single acting(Spring extend)					
流体/Fluid	空气/Air					
保证耐压力/Ensured Pressure Resistance	1.5Mpa(15.3kgf/cm ²)					
最高使用压力/Max.pressure	1.0Mpa(10.2kgf/cm ²)					
环境和流体温度/Ambient and fluid temperature	-10~+70℃带磁性开关型:最高(Without auto switch:No freezing)+60℃					
缓冲/Buffering	两端橡胶缓冲(Rubber bumper)					
行程公差/Tolerance of stroke	+1.4 (mm) 0					
*润滑/Lubrication	不需要/Not required					
安装/Mounting	通孔, 两端内螺纹/Through-hole, Both ends tapped common					
接管口径/Port size	M5×0.8			RC(PT1/8)		

MSQ 系列转合型齿杆式回转摆动气缸
MSQ Series Rotary Table, Rack & Pinion Cylinder



订购码 Ordering Code

MSQ	B	10	A	S
系列代号 Series Code	基本型 Basic Type	大小代号 Size Code 10~200mm	A:带调角度螺栓 R:带油压吸震器 A:With Adjustable Angle Screw R:With Shock Absorber	全部带磁型 Always with magnet

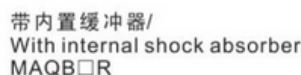
规格 Specification

内径/Bore(mm)	10	20	30	50	70	100	200
使用流体/Fluid	空气(不给油)Air(non-lube)						
最高使用压力/Max.pressure	1Mpa(10.2kgf/cm ²)						
最低使用压力/Min.pressure	带调角度螺栓/With adjustment bole 带油压吸震器/R:With Shock Absorber						
	基本型/Basic type 高精度型/High precision type						
环境和流体温度/Ambient and fluid temperature	0~60℃(但未冻结No freezing)						
缓冲/Cushion	橡胶缓冲/Rubber bumper 缓冲器/Shock absorber						
角度调整范围/Angle adjustment range	0~190℃						
最高旋转角度/Maximum rotation	190℃						
活塞直径/Piston bore	φ 15	φ 18	φ 21	φ 25	φ 28	φ 32	φ 40
接管口径/Port size	底孔/End ports 侧孔/Side ports			M5×0.8			
				RC1/8"			

■ 注:最大使用压力是受最大允许负重限制的。
Note:The maximum operating pressure of the actuator is restricted by the maximum allowable thrust of the shock absorber.

基本型 Basic style:MAQB□A

Φ 10, Φ 20, Φ 30, Φ 50

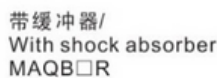


(mm)

缸径/ Bore size	JC	JD	JJ	JU	P	Q	S	SD	SE	SF	SU	UU	WA	WB	WC	WD	WE	WF	XA	XB	XC	YA	YB	YC
10	M8×1.25	12	M5×0.8	M8×1	M5×0.8	34	92	9	13	45	17.7	47	15	3H9	3.5	M5×0.8	8	32	27	3H9	3.5	19	3H9	3.5
20	M10×1.5	15	M6×1	M10×1	M5×0.8	37	117	10	12	60	25	54	20.5	4H9	4.5	M6×1	10	43	36	4H9	4.5	24	4H9	4.5
30	M10×1.5	15	M6×1	M10×1	Rc 1/8	40	127	11.5	14	65	25	57	23	4H9	4.5	M6×1	10	48	39	4H9	4.5	28	4H9	4.5
50	M12×1.75	18	M8×1.25	M14×1.5	Rc 1/8	46	152	14.5	15	75	31.4	66	26.5	5H9	5.5	M8×1.25	12	55	45	5H9	5.5	33	5H9	5.5

基本型 Basic style:MAQB□A

Φ 70, Φ 100, Φ 200



(mm)

70	M12×1.75	18	M8×1.25	10	M20×1.5	53	170	18	79	34.2	75	32.5	5H9	5.5	M8×1.25	12.5	67	54	5H9	3.5	39	5H9	3.5
100	M12×1.75	18	M8×1.25	10	M20×1.5	59	189	22	90	34.3	86	37.5	6H9	6.5	M10×1.55	14.5	77	59	6H9	4.5	49	6H9	4.5
200	M16×2	25	M12×1.75	13	M27×1.5	74	240	29	108	40.2	106	44	8H9	8.5	M12×1.75	16.5	90	69	8H9	4.5	54	8H9	6.5