



MAL系列铝合金迷你气缸
MAL Series Aluminum Alloy Mini Cylinder



订购码
Ordering code

MAL - CA - 50 × 50 - 25 - S - LB

<p>型号 MAL: 复动型 MSAL: 单动型 MALD: 双轴型 MALJ: 双轴可调型</p> <p>Model MAL: Double acting MSAL: Single acting MALD: Double-shaft double acting MALJ: Double-shaft adjustable type</p>	<p>后盖型式 CA: 摆尾型 CM: 圆尾型 U: 平尾型</p> <p>Back cover type CA: Fishtail type CM: Round type U: Horizontal type</p>	<p>缸径 Bore</p>	<p>行程 stroke</p>	<p>MALJ可调行程 MALJ adjustable stroke type</p>	<p>磁石代号 S: 附磁石 空白: 不附磁石 magnet s: With magnet blank: Without magnet</p>	<p>底座 空白: 基本型 LB: 前后固定型 FA: 前盖固定型 SDB: 后盖摇摆型</p> <p>Mounting Blank: Basic type LB: Front and back fixed type FA: Front cover fixed type SDB: Back cover swimming type</p>
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规格
Specifications

内径 Bore (mm)	32	40	50	63	80
动作形式 Operation	复动型或单向型 Double acting				
工作介质 Fluid	空气 Air				
固定形式 Mounting	基本型 (Basic)、FA、LB、TC、SDB型(type)				
使用压力范围 Operating pressure	1.0~9.0Kgf/cm ²				
保证耐压力 Proof pressure	13.5Kgf/cm ²				
使用温度范围 Operating temperature	0~70℃				
使用速度范围 Operating speed range	50~800mm/s				
缓冲型式 Cushioning	缓冲垫片 spacing piece to buffer				
接管口径 Port size	M5×0.8				G1/8"

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行程

Stroke

内径 Bore (mm)	标准行程 Standard stroke	最大行程 Max.Stroke	允许行程 Allowable stroke
32	25 50 75 80 100 125 150 160 175 200 250 300 350 400 450 500	1000	2000
40	25 50 75 80 100 125 150 160 175 200 250 300 350 400 450 500 600 700 800	1200	2000
50	25 50 75 80 100 125 150 160 175 200 250 300 350 400 450 500 600 700 800 900 1000	1200	2000
63	25 50 75 80 100 125 150 160 175 200 250 300 350 400 450 500 600 700 800 900 1000	1500	2000
80	25 50 75 80 100 125 150 160 175 200 250 300 350 400 450 500 600 700 800 900 1000	1500	2000
100	25 50 75 80 100 125 150 160 175 200 250 300 350 400 450 500 600 700 800 900 1000	1500	2000

气缸理论出力表

Theoretical force

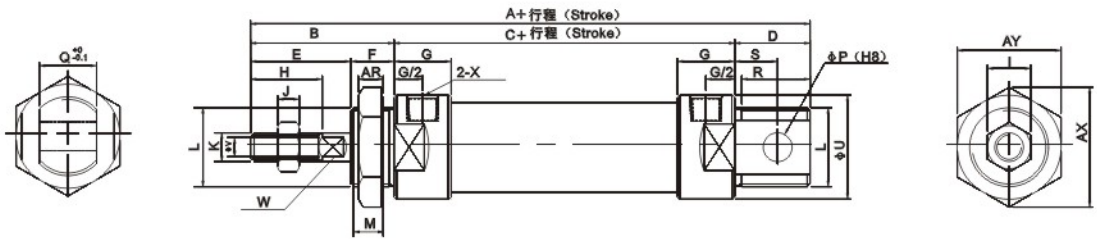
气缸内径 Bore size	32	40	50	63	80	100							
活塞杆外径 Rod diameter	12	16	20	20	25	25							
动作型式 Operation	复动型 Double acting		复动型 Double acting		复动型 Double acting		复动型 Double acting		复动型 Double acting		复动型 Double acting		
	压测 Out	拉测 In	压测 Out	拉测 In	压测 Out	拉测 In	压测 Out	拉测 In	压测 Out	拉测 In	压测 Out	拉测 In	
受压面积 Piston area(cm ²)	8.04	6.90	12.56	10.55	19.63	16.49	31.17	28.03	50.6	45.36	78.53	73.62	
空气压力 Air Pressure (Kg/cm ²)	1	8.04	6.90	12.56	10.55	19.63	16.49	31.17	28.03	50.6	45.36	78.53	73.62
	2	16.8	13.80	25.12	21.10	39.26	32.98	62.34	56.06	100.52	90.72	157.06	147.24
	3	24.12	20.70	37.68	31.65	58.89	49.47	93.51	84.09	150.78	136.08	235.59	220.86
	4	32.16	27.60	50.24	42.20	78.52	65.96	124.68	112.12	201.04	181.44	314.12	294.48
	5	40.20	34.50	62.80	52.75	98.15	82.45	155.85	140.15	251.30	226.80	392.65	368.10
	6	48.24	41.40	75.36	63.30	117.78	98.94	187.02	168.18	301.56	272.16	471.18	441.72
	7	56.28	48.30	87.92	73.85	137.41	115.43	218.19	196.21	351.82	317.52	549.71	515.34
	8	64.32	55.20	100.48	84.40	157.04	131.92	249.36	224.24	402.08	362.68	628.24	588.96
	9	72.36	62.10	113.04	94.95	176.67	148.41	280.53	252.27	452.34	408.24	706.77	662.58

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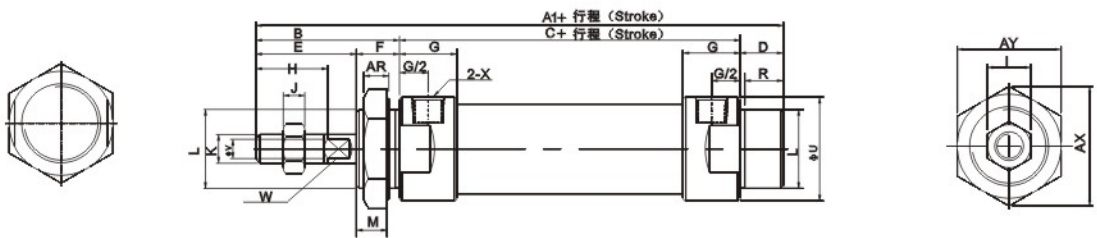
MAL Series Aluminum Alloy Mini Cylinder

尺寸 Dimensions

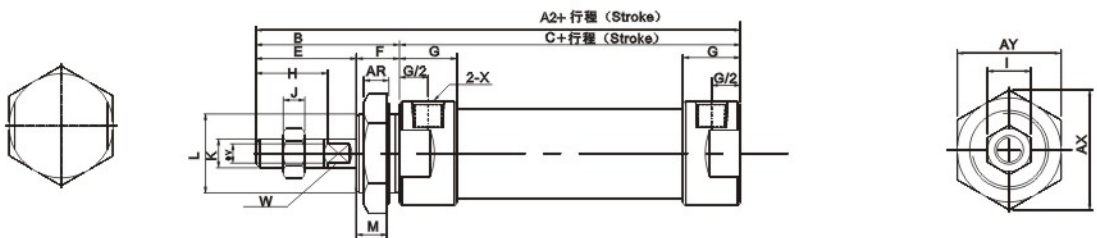
MAL-CA



MAL-CM



MAL-U



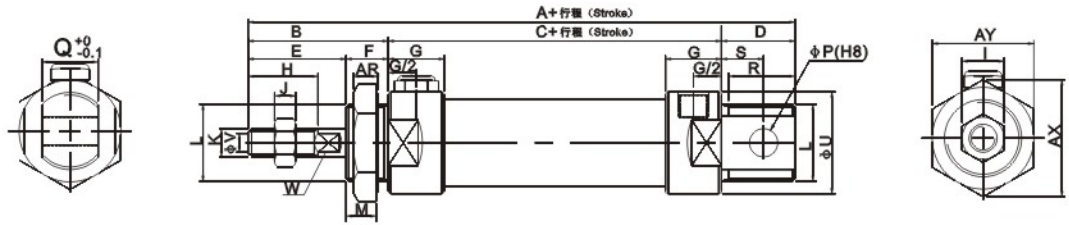
缸径/符号 Bore/Symbol	A	A1	A2	B	C	D	D1	E	F	G	H	I	J	K
16	104	104	90	38	52	15	15	24	14	11	16	10	5	M6×1
20	131	122	110	40	70	21	12	28	12	16	20	12	6	M8×1.25
25	135	128	114	44	70	21	14	30	14	16	22	17	6	M10×1.25
32	141	128	114	44	70	27	14	30	14	16	22	17	6	M10×1.25
40	165	152	138	46	92	27	14	32	14	22	24	17	7	M12×1.25
缸径/符号 Bore/Symbol	L	M	P	Q	R	R1	S	U	V	W	X	AR	AX	AY
16	M16×1.5	8	6	12	13	13	6	20	6	/	M5	7	24	27.5
20	M22×1.5	10	8	16	19	12	12	29	8	6	G1/8'	7	33	29
25	M22×1.5	12	8	16	19	14	12	34	10	8	G1/8'	7	33	29
32	M24×2.0	12	10	16	25	14	15	39.5	12	10	G1/8'	8	37	32
40	M30×2.0	12	12	20	25	14	15	49.5	16	14	G1/4'	9	47	41

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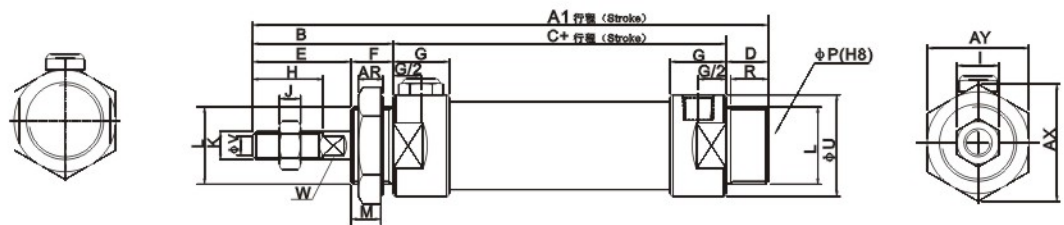
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尺寸 Dimensions

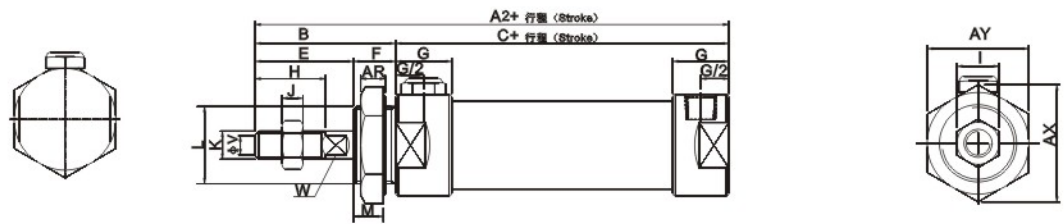
MSAL-CA



MSAL-CM



MSAL-U



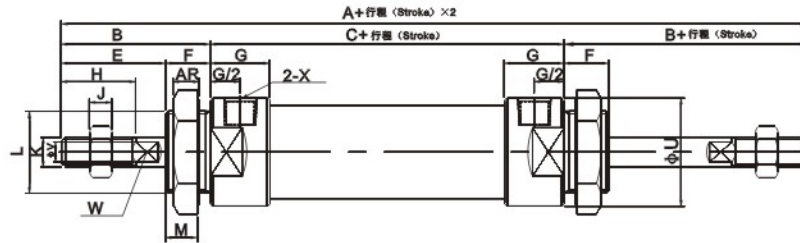
符号 Symbol	A		A1		A2		B	C		D	D1	E	F	G	H	I	J
	0~50	51~100	0~50	51~100	0~50	51~100		0~50	51~100								
20	131	156	122	147	110	135	40	70	95	21	12	28	12	16	20	12	6
25	135	160	128	153	114	139	44	70	95	21	14	30	14	16	22	17	6
32	141	166	128	153	114	139	44	70	95	27	14	30	14	16	22	17	6
40	165	190	152	177	138	163	46	92	117	27	14	32	14	22	24	17	7
缸径/符号 Bore/Symbol	K		L		M	P	Q	R	R1	S	U	V	W	X	AR	AX	AY
20	M8×1.25		M22×1.5		10	8	16	19	12	12	29	8	6	G1/8	7	33	29
25	M10×1.25		M22×1.5		12	8	16	19	14	12	34	10	8	G1/8	7	33	29
32	M10×1.25		M24×2.0		12	10	16	25	14	15	39.5	12	10	G1/8	8	37	32
40	M12×1.25		M30×2.0		12	12	20	25	14	15	49.5	16	14	G1/1	9	47	41

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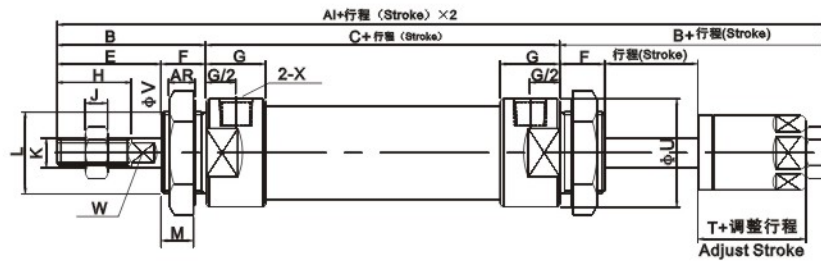
MAL Series Aluminum Alloy Mini Cylinder

尺寸 Dimensions

MALD



MALJ



缸径/符号 Bore/Symbol	A	A1	B	C	E	F	G	H	I	J	K
20	131	122	40	70	28	12	16	20	12	6	M8×1.25
25	135	128	44	70	30	14	16	22	17	6	M10×1.25
32	141	128	44	70	30	14	16	22	17	6	M10×1.25
40	165	152	46	92	32	14	22	24	17	7	M12×1.25
缸径/符号 Bore/Symbol	L	M	U	V	W	X	AR	AX	AY	T	
20	M22×1.5	10	29	8	6	G1/8'	7	33	29	19	
25	M22×1.5	12	34	10	8	G1/8'	7	33	29	21	
32	M24×2.0	12	39.5	12	10	G1/8'	8	37	32	21	
40	M30×2.0	12	49.5	16	14	G1/4'	9	47	41	21	