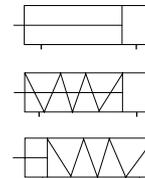


ARK

铝合金气缸 Aluminium Air Cylinder Series MAL (Ø20~Ø40)



规格 Specifications

缸径 Bore size (mm)		20	25	32	40
接管口径 Port size		Rc(PT) 1/8			Rc(PT) 1/4
使用流体 Fluid		过滤压缩空气 Filtered compressed air			
动作形式 Action	MSAL, MTAL	单动 Single acting			
	MAL, MALD, MALJ	双动 Double acting			
保证耐压力 Proof pressure (MPa)		1.5			
使用压力范围 Operating pressure range (MPa)	双动 Double acting	0.15~1.0			
	单动 Single acting	0.2~1.0			
环境及流体温度 Ambient and fluid temperature		-5~60°C (未冻结 No freezing)			
活塞速度 Piston speed	双动 Double acting	30~800 mm/s			
	单动 Single acting	50~800 mm/s			
行程公差 Stroke tolerance (mm)		0~150: $^{+1.0}_0$		>150: $^{+1.4}_0$	
* 润滑 Lubrication		不需要 Not required			
缓冲 Cushion		橡胶缓冲 Rubber bumper			

* 如需要润滑请使用透平 1 号油 ISOVG32。Please use Turbine oil 1st Grade ISOVG32 if necessary.

行程 / 磁性开关 Stroke/ Auto switch

缸径 Bore size (mm)	系列 Series	标准行程 Standard stroke (mm)	最大行程 Max. stroke (mm)	容许行程 Permissible stroke (mm)	系列 Series	标准行程 Standard stroke (mm)	磁性开关 / 固定钢带 Auto switch / Mounting band		
20	MAL	25, 50, 75, 80, 100, 125, 150, 160, 175, 200, 250, 300, 350, 400, 450, 500	500	1000	MSAL	25, 50, 75, 100, 125, 150	D-M9BK / PBC-A		
25				1500					
32			MALD	25, 50, 75, 80, 100, 125, 150, 160, 175, 200, 250, 300	300	-		MTAL	25, 50, 75, 100
40									
20	MALJ	25, 50, 75, 80, 100, 125, 150, 160, 175, 200, 250, 300, 350, 400, 450, 500	300	-	MTAL	25, 50, 75, 100			
25									
32			MALJ	25, 50, 75, 80, 100, 125, 150, 160, 175, 200, 250, 300, 350, 400, 450, 500	500	-		MTAL	25, 50, 75, 100
40									

型号表示方法 How to Order

型号 Model

MAL 20 - 50 - 20 S CM

缸径 Bore size (mm)

行程 Stroke (mm)

可调行程 Adjustable stroke (MALJ)

磁环 Magnet

安装形式 Mounting

后盖型式 End cover type (MAL, MSAL, MTAL)

MAL	双动 Double acting
MSAL	单动 (弹簧压回) Single acting (Spring return)
MTAL	单动 (弹簧压出) Single acting (Spring extend)
MALD	双活塞杆 Double rod
MALJ	双活塞杆可调行程 Double rod with adjustable stroke

10	10 mm
20	20 mm
30	30 mm
40	40 mm
50	50 mm
75	75 mm
100	100 mm

-	无 None
S	内置磁环 Built-in magnet

-	基本型 Basic	
LB	脚座 Foot	MAL, MSAL, MTAL, MALD, MALJ
FA	前法兰 Front flange	MAL, MSAL, MTAL, MALD, MALJ
SDB	尾部 U 型钩支架 Bracket for integrated clevis	MAL, MSAL, MTAL

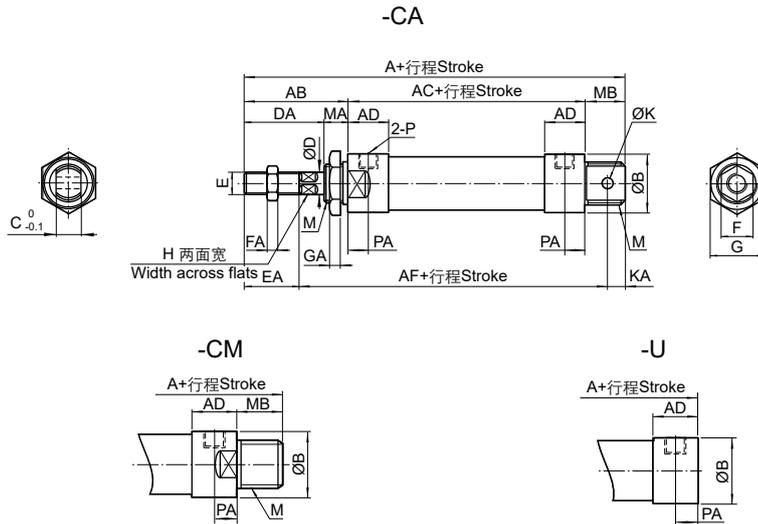
* 安装附件与 MA 系列通用。
Mounting accessories are common with Series MA.

CA	原装 U 型钩 Integrated clevis
U	平尾 End plain
CM	圆尾 End round

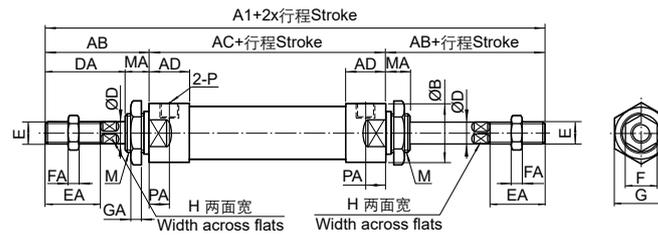
铝合金气缸 Aluminium Air Cylinder Series MAL

外形尺寸图 Dimensions (mm)

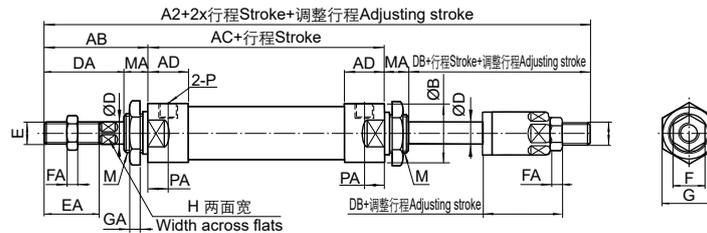
MAL



MALD



MALJ

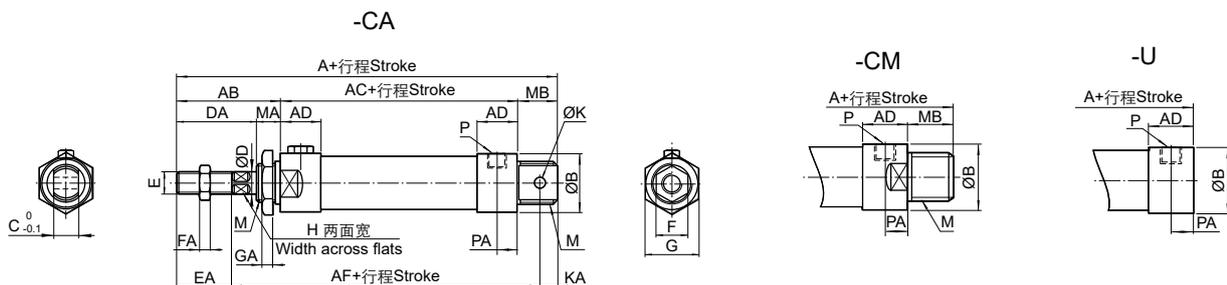


缸径 Bore size	A			A1	A2	AB	AC	AD	AF	B	C	D	DA	DB	E	EA	F	FA	G	GA	H	K	KA	M	MA	MB		P	PA
	CA	CM	U																							CA	CM		
20	131	122	110	150	147	40	70	16	102	29	16	8	28	25	M8x1.25	20	12	6	29	7	6	8	9	M22x1.5	12	21	12	1/8	8
25	135	128	114	158	155	44	70	16	104	34	16	10	30	27	M10x1.25	22	17	6	29	7	8	8	9	M22x1.5	14	21	14	1/8	8
32	141	128	114	158	155	44	70	16	107	39.5	16	12	30	27	M10x1.25	22	17	6	32	8	10	10	12	M24x2.0	14	27	14	1/8	8
40	165	152	138	184	180	46	92	22	129	49.5	20	16	32	28	M12x1.25	24	17	7	41	9	14	12	12	M30x2.0	14	27	14	1/4	11

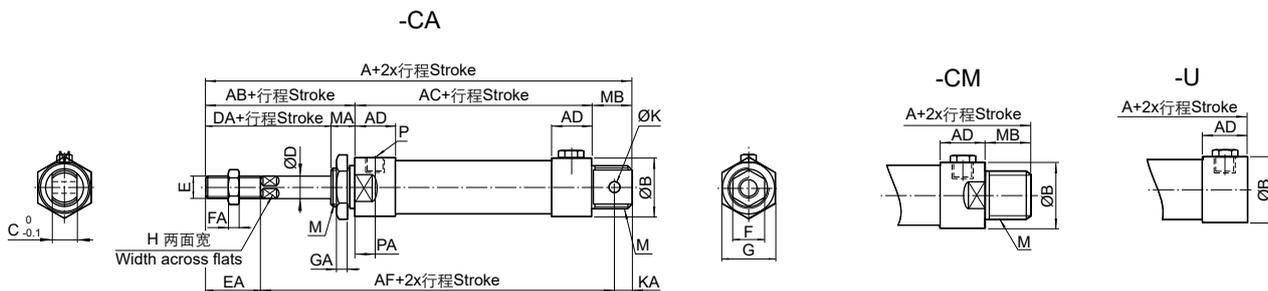
铝合金气缸 Aluminium Air Cylinder Series MAL

外形尺寸图 Dimensions (mm)

MSAL



MTAL



系列 Series	缸径 Bore size	ST ≤ 50					ST=51~100					ST=101~150				
		A			AC	AF	A			AC	AF	A			AC	AF
		CA	CM	U			CA	CM	U			CA	CM	U		
MSAL	20	156	147	135	95	127	181	172	160	120	152	206	197	185	145	177
	25	160	153	139	95	129	185	178	164	120	154	210	203	189	145	179
	32	166	153	139	95	132	191	178	164	120	157	216	203	189	145	182
	40	190	177	163	117	154	215	202	188	142	179	240	227	213	167	204

系列 Series	缸径 Bore size	ST ≤ 25					ST=26~50					ST=51~75					ST=76~100				
		A			AC	AF	A			AC	AF	A			AC	AF	A			AC	AF
		CA	CM	U			CA	CM	U			CA	CM	U			CA	CM	U		
MTAL	20	146	137	125	85	117	156	147	135	95	127	171	162	150	110	142	181	172	160	120	152
	25	150	143	129	85	121	160	153	139	95	131	175	168	154	110	146	185	178	164	120	156
	32	156	143	129	85	122	166	153	139	95	132	186	173	159	115	152	196	183	169	125	162
	40	180	167	153	107	144	190	177	163	117	154	210	197	183	137	174	220	207	193	147	184

缸径 Bore size	AB	AD	B	C	D	DA	E	EA	F	FA	G	GA	H	K	KA	M	MA	MB		P	PA
	CA	CM																			
20	40	16	29	16	8	28	M8x1.25	20	12	6	29	7	6	8	9	M22x1.5	12	21	12	1/8	8
25	44	16	34	16	10	30	M10x1.25	22	17	6	29	7	8	8	9	M22x1.5	14	21	14	1/8	8
32	44	16	39.5	16	12	30	M10x1.25	22	17	6	32	8	10	10	12	M24x2.0	14	27	14	1/8	8
40	46	22	49.5	20	16	32	M12x1.25	24	17	7	41	9	14	12	12	M30x2.0	14	27	14	1/4	11