



MA6432 10 x 50 (DSNU)

订购码 Ordering Code

MA6432

系列代号

MA:复动型

MSA:单动型

MAD:双轴复动型

MAC:复动缓冲型

MAJ:双轴可调型

Series Code

MA:Double Action Type

MSA:Single-Action Type

MAD:Double-shaft

MAC:Double Action Type

MAJ:Double-shaft and adjustable stroke type



后盖型式

空白:摆尾型

CM:圆尾型

U:平尾型

Back Cover Type

Blank:Fishtail type

CM:Rounded type

U:Horizontal type

20

缸径
Cylinder Bore
8~25mm

50

行程
Stroke

25

可调行程
Adjustable
Stroke Type
0~100mm

S

磁石代号

空白:标准型

S:内置磁环

Magnet Code

Blank:Without Magnet

S:With Magnet

LB

固定型式

空白:基本型

LB:前后固定型

FA:前盖固定型

SDB:后盖摇摆式

U:后盖固定式

Fixed Type

Blank:Normal type

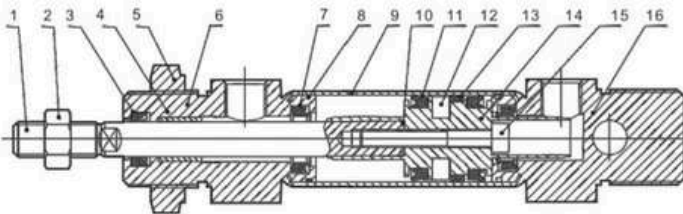
LB:Front and back fixed type

FA:Front cover fixed type

SDB:Back cover swinging type

U:Back cover fixed type

内部结构 Internal structure



序号 NO.	名称 Designation	序号 NO.	名称 Designation
1	活塞杆/Piston Rod	9	不锈钢管/Barrel
2	活塞杆螺母/Piston Rod Nut	10	活塞杆密封圈/Piston rod O-ring
3	前盖密封圈/Front Cover Seal	11	活塞O令/Piston O-ring
4	含油轴承/Bearing	12	磁铁(可选)/Magnet(Optional)
5	内六角螺栓/Hexagon Screw	13	耐磨环/Wear Ring
6	前盖/Front Cover	14	活塞/Piston
7	缓冲密封圈/Cushion Ring	15	内六角螺栓/Hex Socket Screw
8	管壁O令/O-ring	16	后盖/Back Cover

规格 Specification

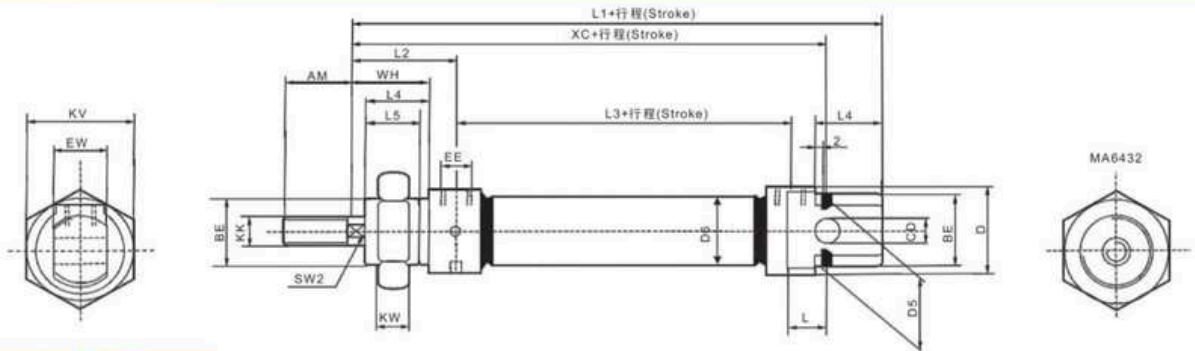
缸径/Cylinder diameter(mm)	8	10	12	16	20	25
工作介质/Working Medium	空气/Air					
动作型式/Motion pattern	复动型或单动式/Double Action or single Action					
保证耐压力/Ensured Pressure Resistance	15.3kgf/cm ² (1.5Mpa)					
最高使用压力/Max.pressure	10.2kgf/cm ² (1.0Mpa)					
最低使用压力/Min.pressure	0.5kgf/cm ² (0.05Mpa) 1kgf/cm ² (0.1Mpa)					
环境和流体温度/Environment and fluid temp	-20~+80℃(内置磁环型:最高:60℃ Internal Magnetic Install by Tach strap:Type Max:60℃)					
活塞速度/Piston velocity	橡胶缓冲(标准)Rubber Bufer(Standard),气缓冲(任选)Air Buffer(OPTION)					
缓冲/Buffering	50~750mm/s					
容许动能(kgf/cm)/Kinetic energy To Larence(kgf/cm)	0.2	0.3	0.4	0.9	2.7	4
接管口径/Pipe Size	M5×0.8				G1/8"	

行程 Stroke

缸径/Bore(mm)	标准行程/Standard stroke	最长行程/Max.Stroke(mm)
8	10,25,40,50,80,100,125,160,200	400
10	10,25,40,50,80,100,125,160,200	400
12	10,25,40,50,80,100,125,160,200	400
16	10,25,40,50,80,100,125,160,200	400
20	25,40,50,80,100,125,150,160,175,200,250,300	1000
25	25,40,50,80,100,125,150,160,175,200,250,300	1000

注:在非标准行程可供选择
Note:In non-standard stroke options.

外形尺寸 Overall Dimensions



尺寸表 Dimension Sheet

内径/符号 Bore/Symbol	AM	BE	ΦCD	ΦD	ΦD5	ΦD6	EE	EW	AM	KK	KV	KW	L	L1	L2	L3	L4	L5	SW2	WH	XC
8	12	M12×1.25	4	15	15	12	M5	8	12	M4	19	7	6	78	22	34	12	10	-	16	64
10	12	M16×1.25	4	15	15	12	M5	8	12	M4	19	7	6	78	22	34	12	10	-	16	64
12	16	M16×1.5	6	20	20	16	M5	12	16	M6	24	6	9	89	28	38	17	15	5	22	75
16	16	M16×1.5	6	20	20	16	M5	12	16	M6	24	6	9	95	28	44	17	15	5	22	82
20	20	M22×1.5	8	27	27	22	G1/8"	16	20	M8	30	8	12	112	32	51.6	20	18	7	24	95
25	22	M22×1.5	8	27	27	22	G1/8"	16	22	M10×1.25	30	8	12	119.5	36	53.1	22	20	8	26	104

MA6432-N 不锈钢迷你缸(ISO6432)
MA6432-N Series Stainless Steel Mini Cylinder(ISO6432)

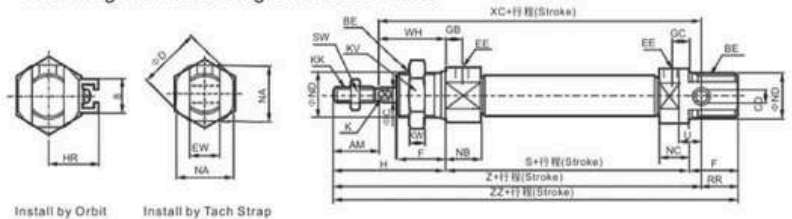
外形尺寸 Overall Dimensions

MA6432-N25 × 150



MAC6432-N40 × 150

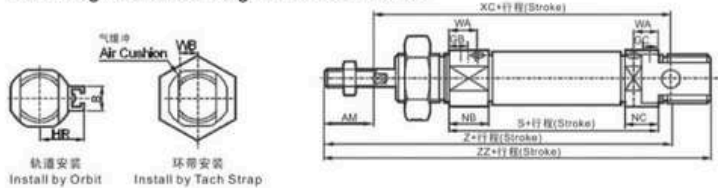
无内置磁环及有内置磁环橡胶缓冲
Non Magnet Inside Magnet Rubber Buffer



尺寸表 Dimension Sheet

缸径/Bore	AM	BE	ΦC	ΦCD	ΦD	EE	EW	F
Φ8	12	M12×1.25	4	4	17	M5×0.8	8	12
Φ10	12	M16×1.25	4	4	17	M5×0.8	8	12
Φ12	16	M16×1.5	6	6	20	M5×0.8	12	17
Φ16	16	M16×1.5	6	6	20	M5×0.8	12	17
Φ20	20	M22×1.5	8	8	28	G1/8"	16	20
Φ25	22	M22×1.5	8	8	33.5	G1/8"	16	22

无内置磁环及有内置磁环气缓冲
Non Magnet Inside Magnet Rubber Buffer



缸径/Bore	GB	GC	WA	WB	H	HR	K	KK	KV	KW	NB	NC	NA	ΦND	RR	S	SW	U	WH	XC	Z	ZZ
Φ8	7	5	-	-	28	10	-	M4×0.7	19	6	11.5	9.5	15	12	10	46	7	6	16	64	76	86
Φ10	7(5.5)	7(5.5)	10.5	4.5	28	10.5	-	M4×0.7	19	6	11.5(13.5)	9.5(13.5)	15	12	10	46(53)	7	6	16	64(71)	76(83)	86(93)
Φ12	8(5.5)	6(5.5)	9.5	5.5	38	14	5	M6×4	24	8	12.5(12.5)	10.5(12.5)	18	16	14	50(54)	10	9	22	75(79)	91(95)	105(109)
Φ16	8(5.5)	6(5.5)	9.5	5.5	38	14	5	M6×0.8	24	8	12.5	10.5(12.5)	18	16	13	56	10	9	22	82	98	111
Φ20	8	8	17	8.5	44	17	6	M8×1.25	32	11	15	15	24	22	11	62	13	12	24	95	95	126
Φ25	8	8	20	10	50	20	8	M10×1.25	32	11	15	15	30	22	11	65	17	12	28	104	126	137

■※括弧内是气缓冲尺寸(Air Buffer Dimension brackee)。此类为SMC标准的ISO6432不锈钢迷你气缸。如果你需要,请在型号后面加-N。
This series is SMC ISO6432 standard stainless steel mini cylinder, if you need this, pls add -N after normal ordering code.



订购码 Ordering Code

MA 20 x 50

MAJ 25 x 50-25

MA

型号
MA: 复动型
MSA: 单动伸出型
MAD: 双轴复动型
MACD: 双轴复动缓冲型
MAC: 复动缓冲型
MAJ: 双轴可调型

Type
MA: Double Action Type
MSA: Single Extrusion Type
MAD: Double Shaft Double Action Type
MACD: Double Shaft Double Action Damping Type
MAC: With Cushion Type
MAJ: Double-shaft And Adjust Able Stroke Type



后盖型式
空白: 摆尾型
CM: 圆尾型
U: 平尾型
Back Cover Type
Blank: Fishtail type
CM: Rounded type
U: Horizontal type

20 × **50**

缸径
Cylinder Bore
16mm~40mm

行程
Stroke

25

可调行程
Adjustable Stroke
0~100mm

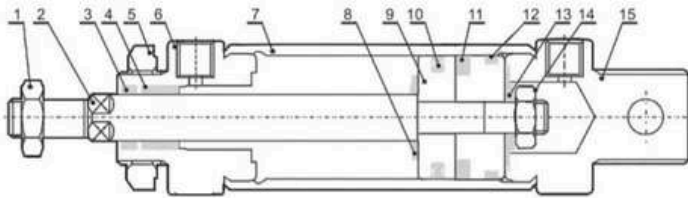
S

磁石代号
空白: 标准型
S: 内置磁环
Magnet Code
Blank: Without Magnet
S: With Magnet

LB

固定型式
空白: 基本型
LB: 前后固定型
FA: 前盖固定型
SDB: 后盖摆摆式
U: 后盖固定式
Fixed Type
Blank: Normal type
LB: Front and back fixed type
FA: Front cover fixed type
SDB: Back cover swinging type
U: Back cover fixed type

内部结构 Internal structure



序号 NO.	名称 Designation	序号 NO.	名称 Designation
1	活塞杆螺母/Piston Rod Nut	2	活塞杆/Piston Rod
3	前盖密封圈/Front Cover Seal Ring	4	含油轴承/Oiled Bearing
5	前盖螺母/Front Cover Nut	6	前盖/Front Cover
7	不锈钢管/Stainless steel tube	8	防撞垫片/Anti-crash cushion
9	活塞/Piston	10	活塞O令/Piston O-Ring
11	磁铁(可选)/Magnet(Optional)	12	耐磨环/Wear Ring
13	缓冲密封圈/Seal cushion	14	内六角螺栓/Hex socket screw
15	后盖/Back Cover		

规格 Specification

缸径/Bore(mm)	16	20	25	32	40
动作形式/Motion pattern	复动型或单动式/Double Action or Single Action				
工作介质/Working Medium	空气/Air				
固定型式/Fixed Type	基本型/Normal Type LB型/ Type FA型/ Type SDB型/ Type U型/ Type				
使用压力范围 /Operating Voltage Range	0.1~0.9MPa				
保证耐压力/Ensured Pressure Resistance	1.35MPa				
使用温度范围 /Operating Temperature Range	-5~70℃				
使用速度范围 /Operating Speed Range	50~800mm/s				
缓冲型式/ Buffer Type	标准型/Standard Type 防撞垫片/Anti-crash cushion				
	缓冲型/Damping Type - 可调式缓冲/Adjustable cushion				
接管口径/Pipe Size	M5×0.8		G1/8"		

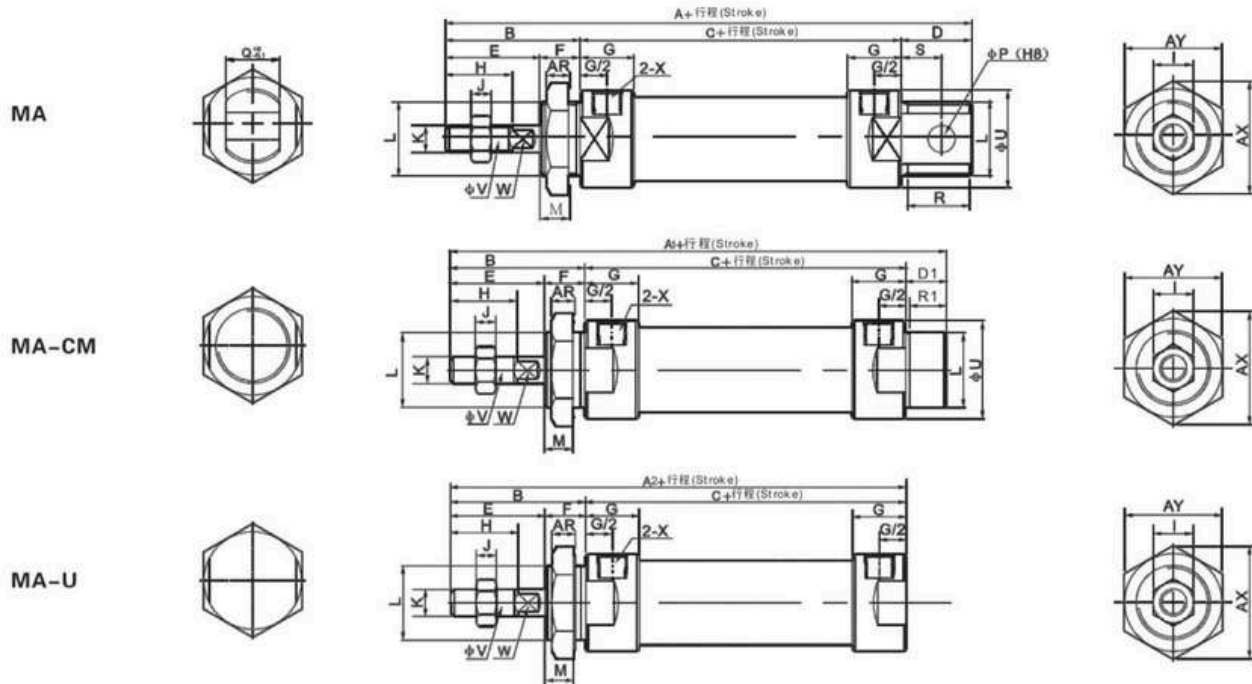
■ 我公司还可提供端盖上进气孔为平的产品，如果你需要此类产品，请特别说明。
Our Company can also make flat for cylinder covers inlet and outlet position. If you require this, it should be specified.

行程 Stroke

缸径/Bore(mm)	标准行程/Standard Stroke										最大行程/Max.Stroke	容许行程/Permissible Stroke					
16	25	50	75	80	100	125	160	175	200		300	500					
20	25	50	75	80	100	125	160	175	200	250	300	500	650				
25	25	50	75	80	100	125	160	175	200	250	300	350	400	450	500	500	650
32	25	50	75	80	100	125	160	175	200	250	300	350	400	450	500	500	650
40	25	50	75	80	100	125	160	175	200	250	300	350	400	450	500	500	650

注:在非标准行程可供选择
Note:In non-standard stroke options.

外形尺寸 Overall Dimensions



尺寸表 Dimension Sheet

内径/符号 Bore/Symbol	A	A1	A2	B	C	D	D1	E	F	G	H	I	J	K
16	114	114	98	38	60	16	16	22	16	10	16	10	5	M6×1
20	137	128	116	40	76	21	12	28	12	16	20	12	6	M8×1.25
25	141	134	120	44	76	21	14	30	14	16	22	17	6	M10×1.25
32	147	134	120	44	76	27	14	30	14	16	22	17	6	M10×1.25
40	149	136	122	46	76	27	14	32	14	16.7	24	17	7	M12×1.25

内径/符号 Bore/Symbol	L	M	P	Q	R	R1	S	U	V	W	X	AR	AX	AY
16	M16×1.5	14	6	12	14	14	9	21	6	5	M5	6	24	27.5
20	M22×1.5	10	8	16	19	10	12	27	8	6	G1/8"	7	33	29
25	M22×1.5	12	8	16	19	12	12	30	10	8	G1/8"	7	33	29
32	M24×2.0	12	10	16	25	12	15	35	12	10	G1/8"	8	37	32
40	M30×2.0	12	12	20	25	12	15	41.6	16	14	G1/8"	9	47	41

MAL6432 铝合金迷你气缸(ISO6432)
MAL6432 Series Aluminum alloy mini cylinder(ISO6432)

规格 Specification



MAL6432 20×75

动作形式 Motion Pattern	复动型或单动式 Double Action or Single Action
使用压力范围 Operating Voltage Range	0.1~0.9MPa
保证耐压力 Ensured Pressure Resistance	1.35MPa
使用温度范围 Operating Temperature Range	-5~70℃
使用速度范围 Operating Speed Range	30~800mm/s

■ 我公司还可提供MAL系列ISO6432标准的铝合金迷你气缸，如果你需要此类产品，请将订购代码MAL改成MAL6432。

Our company can also provide MAL series ISO6432 standard aluminum alloy mini cylinder, if you need this, pls change ordering code MAL into MAL6432.



MAL 32 x 50

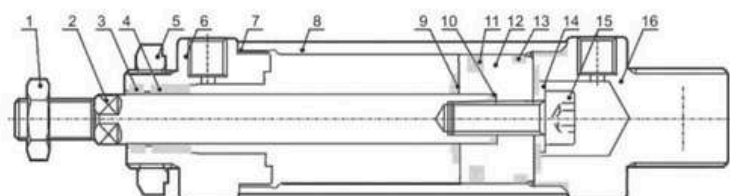


MALD 20 x 20

订购码 Ordering Code

MAL	—		20 × 50	—	25	S	—	LB
型号 MAL: 复动型 MSAL: 单动伸出型 MALD: 双轴复动型 MALC: 复动缓冲型 MALJ: 双轴可调型	Type MAL: Double Action type MSAL: Single Extrusion Type MALD: Dual Double Action Type MALC: With Cushion Type MALJ: Double-shaft And Adjust Able Stroke Type	后盖型式 空白: 摆尾型 CM: 圆尾型 U: 平尾型 Back Cover Type Blank: Fishtail type CM: Rounded type U: Horizontal type	缸径 Cylinder Bore 16mm~40mm	行程 Stroke	可调行程 Adjustable Stroke Type 0~100mm	磁石代号 空白: 标准型 S: 内置磁环 Magnet Code Blank: Without Magnet S: With Magnet		固定型式 空白: 基本型 LB: 前后固定型 FA: 前盖固定型 SDB: 后盖摆摆式 Fixed Type Blank: Normal type LB: Front and back fixed type FA: Front cover fixed type SDB: Back cover swinging type

内部结构 Internal structure



序号 NO.	名称 Designation	序号 NO.	名称 Designation
1	活塞杆螺母/Piston Rod Nut	2	活塞杆/Piston Rod
3	前盖密封圈/Front Cover Seal Ring	4	含油轴承/Oiled Bearing
5	前盖螺母/Front Cover Nut	6	前盖/Front Cover
7	管壁O型圈/Pipe wall O-ring	8	铝管/Aluminum tube
9	防撞垫片/Anti-crash cushion	10	活塞杆O形圈/Piston rod O-Ring
11	活塞O令/Piston O-Ring	12	活塞/Piston
13	耐磨环/Wear Ring	14	缓冲密封圈/Seal cushion
15	内六角螺栓/Hex socket screw	16	后盖/Back Over

规格 Specification

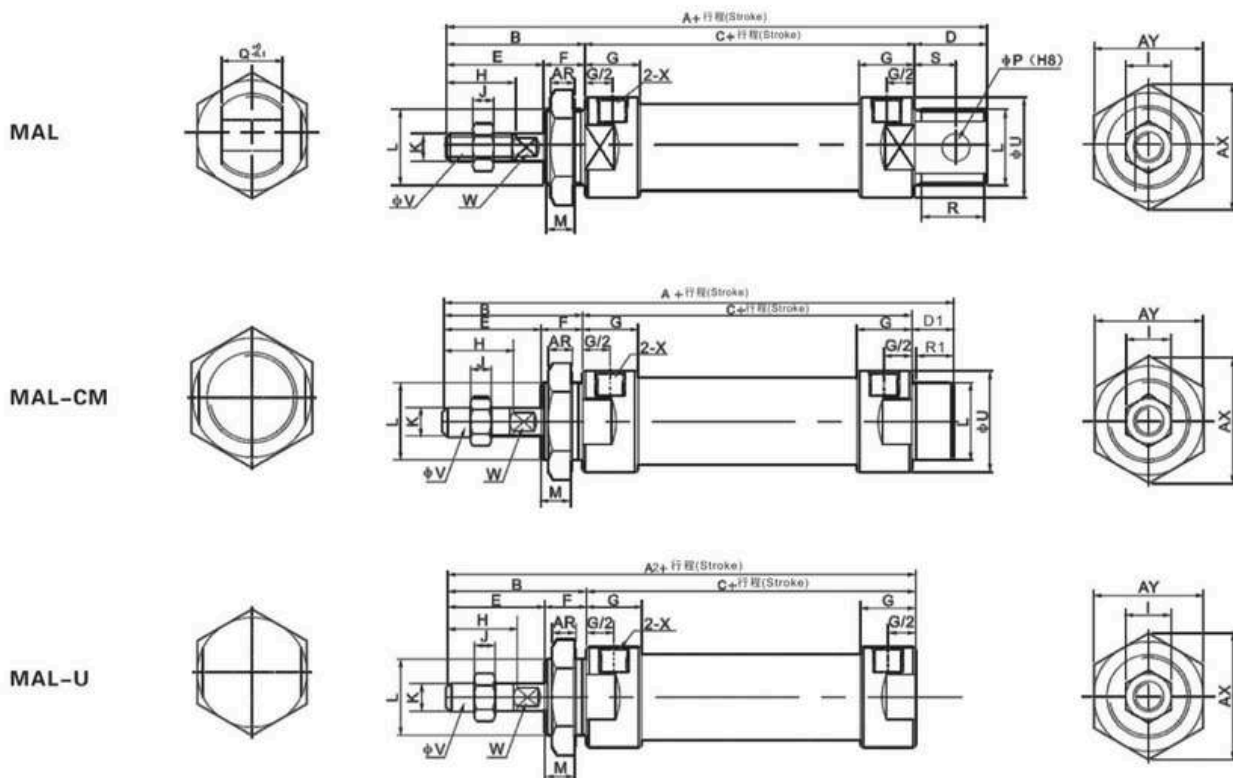
缸径/Bore(mm)	16	20	25	32	40
动作形式/Motion pattern	复动型或单动式/Double Action or Single Action				
工作介质/Working Medium	空气/Air				
固定型式/Fixed Type	基本型/Normal Type LB型/ Type FA型/ Type SDB型/ Type				
使用压力范围 /Operating Voltage Range	0.1~0.9MPa				
保证耐压力/Ensured Pressure Resistance	1.35MPa				
使用温度范围 /Operating Temperature Range	-5~70℃				
使用速度范围 /Operating Speed Range	30~800mm/s				
缓冲型式/ Buffer Type	标准型/Standard Type	防撞垫片/Anti-crash cushion			
	缓冲型/Damping Type	可调式缓冲/Adjustable cushion			
接管口径/Port Size	M5×0.8	G1/8"			G1/4"

■ 我公司还可提供端盖上进出气孔为平的产品，如果你需要此类产品，请特别说明。
Our Company can also make flat for cylinder covers inlet and outlet position. If you require this, it should be specified.

行程 Stroke

缸径/Bore(mm)	标准行程/Standard Stroke	最大行程/Max.Stroke	容许行程/Permissible Stroke
16	25,50,75, 80,100 ,125,160,175,200	300	500
20	25,50,75,80,100,125,160,175,200, 250,300	500	650
25	25,50,75,80,100,125,160,175,200,250,300,350,400,450,500	500	650
32	25,50,75,80,100,125,160,175,200,250,300,350,400,450,500	500	650
40	25,50,75,80,100,125,160,175,200,250,300,350,400,450,500	500	650

外形尺寸 Overall Dimensions

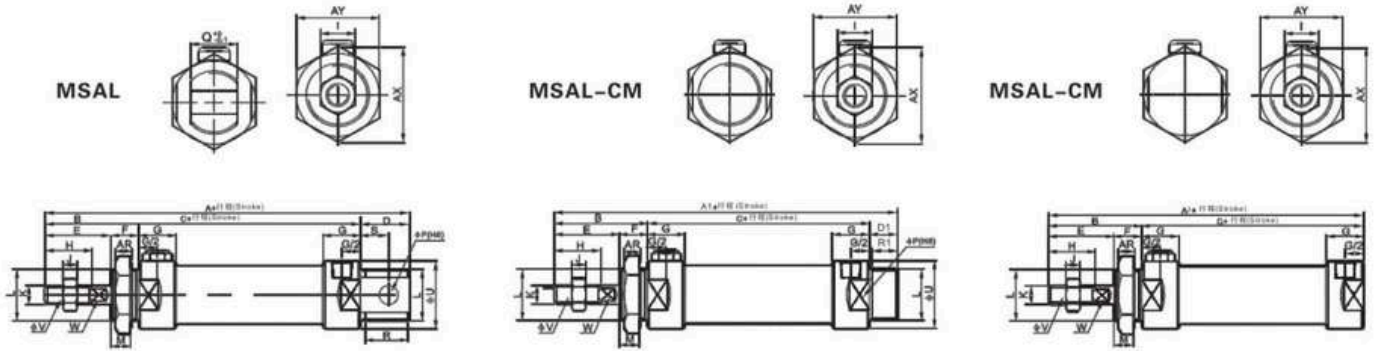


尺寸表 Dimension Sheet

内径/符号 Bore/Symbol	A	A1	A2	B	C	D	D1	E	F	G	H	I	J	K
16	114	114	98	38	60	16	16	22	16	10	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	45	92	27	14	32	14	22	24	17	7	M12×1.25

内径/符号 Bore/Symbol	L	M	P	Q	R	R1	S	U	V	W	X	AR	AX	AY
16	M16×1.5	14	6	12	14	14	9	21	6	5	M5	6	25	22
20	M22×1.5	10	8	16	19	10	12	29	8	6	G1/8"	7	33	29
25	M22×1.5	12	8	16	19	12	12	34	10	8	G1/8"	7	33	29
32	M24×2.0	12	10	16	25	12	15	39.5	12	10	G1/8"	8	37	32
40	M30×2.0	12	12	20	25	12	15	49.5	16	14	G1/4"	9	37	41

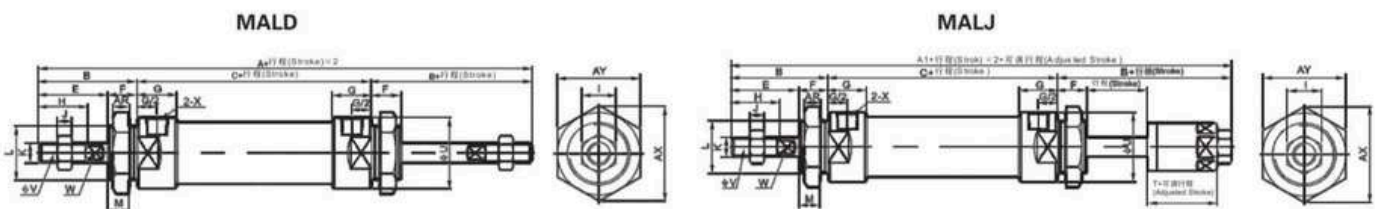
外形尺寸 Overall Dimensions



外形尺寸 Overall Dimensions

符号/Symbol	A		A1		A2		B	C		D	D1	E	F	G	H	I	J
内径/行程 Bore/Stroke	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	160	153	114	139	44	70	95	21	14	30	14	16	22	17	6
32	141	166	166	153	114	139	44	70	95	27	14	30	14	16	22	17	6
40	165	190	190	177	138	163	46	92	117	27	14	32	14	22	24	17	7
内径/符号 Inside Diameter/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	10	12	29	8	6	G1/8"	7	33	29
25	M10×1.25		M22×1.5		12	8	16	19	12	12	34	10	8	G1/8"	7	33	29
32	M10×1.25		M24×2.0		12	10	16	25	12	15	39.5	12	10	G1/8"	8	37	32
40	M12×1.25		M30×2.0		12	12	20	25	12	15	49.5	16	14	G1/4"	9	47	41

外形尺寸 Overall Dimensions



外形尺寸 Overall Dimensions

内径/符号 Inside Diameter/Symbol	A	A1	B	C	E	F	G	H	I	J	K
20	150	147	40	70	28	12	16	20	12	6	M8×1.25
25	158	155	44	70	30	14	16	22	17	6	M10×1.25
32	158	155	44	70	30	14	16	22	17	6	M10×1.25
40	184	180	46	92	32	14	22	24	17	7	M12×1.25
内径/符号 Inside Diameter/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	M24×1.5	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	



订购码 Ordering Code

CM2

系列代号
CDM2B: 内置磁环型
Series Code
CDM2B: Attach
magnet Type

32

缸径
Cylinder Bore
20- ϕ 40mm

150

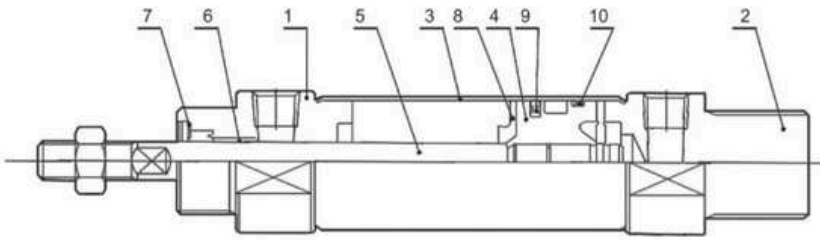
行程
Stroke
0~1000mm

A

缓冲
空白:橡胶缓冲
A:气缓冲
Buffer
Blank:Rubber Buffer
A:Air Buffer

内部结构 Internal structure

CDM2B 20 x 50



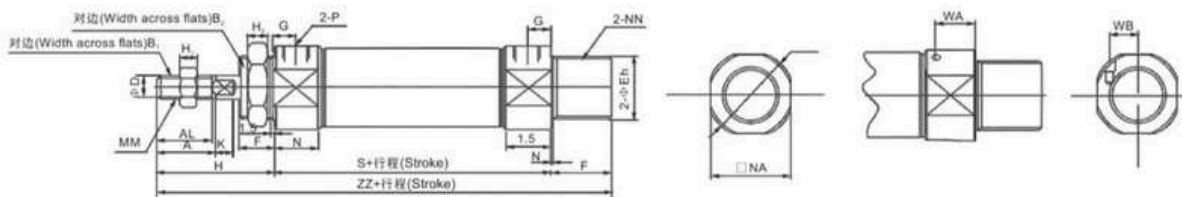
序号 NO.	名称 Designation
1	前盖/Front Cover
2	后盖/Back Cover
3	缸管/Barrel
4	活塞/Piston
5	活塞杆/Piston rod
6	含油轴承/Oiled Bearing
7	前盖密封圈/Front Cover Seal Ring
8	防撞垫片/Anti-crash cushion
9	活塞密封圈/Piston Seal
10	耐磨环/Wear Ring

规格 Specification

内径/Bore(mm)	20	25	32	40
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	15.3kgf/cm ² (1.5Mpa)			
最高使用压力/Max.pressure	10.2kgf/cm ² (1.0Mpa)			
最低使用压力/Min.pressure	0.5kgf/cm ² (0.05Mpa)			
使用温度范围℃/Operating Temperature Range	-10~+70℃			
使用速度范围/Operating Speed Range	50~750mm/s			
缓冲/Buffering	橡胶缓冲(标准)Rubber buffer(Standard),气缓冲(任选)Air buffer(Optional)			
行程公差/Margin of Stroke Error(mm)	+1.4 0mm			
接管口径/Port size	G1/8"	G1/8"	G1/8"	G1/4"

外形尺寸 Overall Dimensions

ϕ 20~ ϕ 40 CM2 系列/Series



尺寸表 Dimension Sheet

缸径/ Diameter	行程范围/ Stroke range	A	AL	B1	B2	D	E	F	G	H	H1	H2	I	K	MM	N	NA	NN	P	S	ZZ	WA	WB
20	~300	18	15.5	13	26	8	20 _{0.033}	13	8	41	5	8	28	5	M8×1.25	15	24	M20×1.5	1/8	62	116	11.5	8.5
25	~300	22	19.5	17	32	10	26 _{0.033}	13	8	45	6	8	33.5	5.5	M10×1.25	15	30	M26×1.5	1/8	62	120	11.5	10
32	~300	22	19.5	17	32	12	26 _{0.033}	13	8	45	6	8	37.5	5.5	M10×1.25	15	34.5	M26×1.5	1/8	64	122	11.5	11.5
40	~300	24	21	22	41	14	32 _{0.033}	16	11	50	6	10	46.5	7	M14×1.5	21.5	42.5	M32×2	1/4	88	154	14	15