

Slim cylinder MAL series



MAL16×50



MALD32×25



MALJ25×50-50

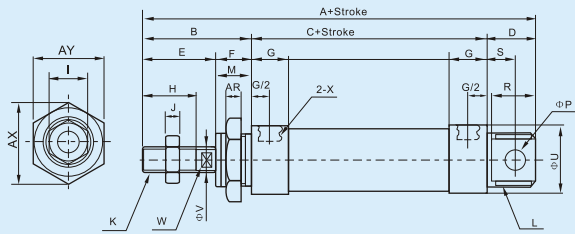


Specification

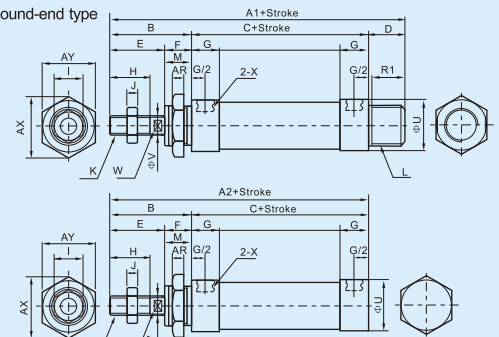
Bore size(mm)	16	20	25	32	40
Action	Double acting type				
Fluid	Air(filtered through 40 μ filter element)				
Operating pressure	0.1~0.9Mpa(kgf/cm ²)				
Proof pressure	1.35Mpa(13.5kgf/cm ²)				
Ambient & fluid temperature	-5~70°C				
Cushion	Without cushion				
Port size	M5	1/8"			
Body material	Aluminum alloy				

Dimension

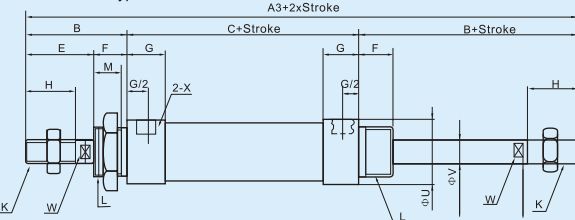
Single clevis type



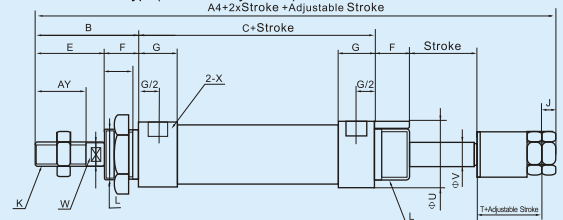
CM:Round-end type



MALD:Double rod type



MALJ:Duble rod type(one side adjustable)



Bore size(mm)	A	A1	A2	A3	A4	B	C	D	D1	E	F	G	H	I	J
16	107	108	92	131	137	40	51	16	16	24	16	10	16	10	5
20	131	122	110	150	147	40	70	21	12	28	12	16	20	12	5
25	135	128	114	158	154	44	70	21	14	30	14	16	22	17	6
32	141	128	114	158	154	44	70	21	14	30	14	16	22	17	6
40	143	130	116	162	160	46	70	27	14	32	14	16	24	19	7

Bore size(mm)	K	L	M	P	Q	R	S	U	V	X	AR	AX	AY
16	M6×1	M16×1.5	14	6	12	16	10	22	6	M5	6	25	22
20	M8×1.25	M22×1.5	10	8	16	19	12	30	8	RC1/8	7	33	29
25	M10×1.25	M22×1.5	12	8	16	19	12	34	10	RC1/8	7	33	29
32	M10×1.25	M24×2.0	12	10	16	25	15	39	12	RC1/8	8	37	32
40	M12×1.25	M30×2.0	12	12	20	25	15	49	16	RC1/4	9	47	41

How to order

MAL	CM	32×50	-	B	FA
Series	Rear cover type	Bore×stroke		Built-in magnets	Mounting type
MAL:double-acting type	Nil:single clevis type			Nil:without	Nil:basic type
MALD:double rod type	CM:round end type			S:with	FA:front flange type
MALJ:double rod type (one side adjustable)					FB:rear flange type LB:foot bracket type

Stroke

Bore size (mm)	Standard stroke(mm)										Maximum stroke(mm)	Allowable stroke(mm)	
12	25	50	75	100	125	150	175	200	250	300	500	800	
16	25	50	75	100	125	150	175	200	250	300	500	800	
20	25	50	75	100	125	150	175	200	250	300	350	400	500
25	25	50	75	100	125	150	175	200	250	300	350	400	500
40	25	50	75	100	125	150	175	200	250	300	350	400	500

Applicable Auto switch

Bore size	16	20	25	32	40
Type	CS1-F CS1-U				
Auto switch	CS1-F CS1-U				
Auto switch mounting base	MAL-16	MAL-20	MAL-25	MAL-32	MAL-40