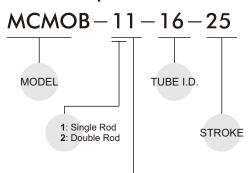
MCMOB series

FLAT CYLINDER with no-rotation





Order example:



STYLE:

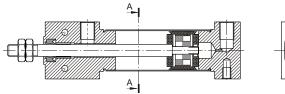
Со	de	Symbol	Description
1	1		Double acting / Male thread
1	3	M	Single acting / Normally extended male thread
1	5		Single acting / Normally returned male thread
2	1		Dual rod / Male thread
2	3		Single action / Dual rod male thread
2	5		Dual rod / Male thread hole-rod
2	6		Single action / Dual rod / Male thread hole-rod

Features:

- With this flat design, the construction is more easy. A twin-rod cylinder can be assembling at the low cost.Le The choice of fixing is large and give more solution to integrate the cylinder in the mechanical part.
- The flat oval design matching piston shape prevents norotating rod (self guidance). This technology come from ISO oval cylinders.
- Piston as standard goes automatically with magnet from size 10 to 25.

Options

• Hole-rod (X) with cylinders double end rod (10-16-25)



	•						
Mo	del		МСМОВ				
Acting type		Double	acting / Singl	e acting			
Tube I.D. (m	m)	10	10 16 25				
Port size Ro	(PT)		M5×0.8				
Medium		Filter air 5	50μ m lubrica	ted or not			
Operating	Double acting	1.5~10	1.2~10	1~10			
pressure	Single Push	2.0~10	2.3~10	1.5~10			
kgf/cm ²	acting Pull	3~10	2.5~10	2~10			
Work temper	ature	-10~60°C (No freezing)					
Stocking tem	perature	0~15℃					
Tolerance of	stoke	1.5mm					
Cushioning of	of end stroke	Elastic by polyui	rethan internal stop	built into piston			
Speed	m/sec	0	.6	0.7			
Non-rotating	accruacy	±3.5°	±2	2.5°			
Minimum str	oke with sensor		5				
Pneumatic c	ushioning		No				
Sensor switch	:h		RCS				
Sensor switch	h holder		BK-81				

Material

Oval tube	Stainless steel
End cover	Anodized aluminium
Piston rod	Stainless steel
Piston	Composit polyurethan
Piston rod bearing	Bronge & PTFE
Seals	Polyurethan
Spring	Bronge & PTFE
Magnet	Ferrite
Spacer spring	Brass & Acetal resin

MCMOB φ 10~ φ 25



FLAT CYLINDER with no-rotation

Forces for oval cylinder

(unit:kg)

T	Rod	-	·	Area			Pressure	e kgf/cm²			
Tube I.D.	φ	F	unction	mm ²	2	3	4	5	6	7	
			Push	100	1.25	2.37	3.63	4.12	5	6.12	
10	4		Pull	88	0.91	1.79	2.67	3.55	4.43	5.31	
			Double Push	100	2.00	3.00	4.00	5.00	6.00	7.00	
		144	action Pull	88	1.76	2.64	3.52	4.40	5.28	6.16	
	6		Push	200	3.50	5.00	7.40	8.20	9.10	12.00	
16			Pull	173	1.51	3.25	4.95	6.75	8.45	10.15	
			Double Push	200	4.00	6.00	8.00	10.00	12.00	14.00	
		 4	action Pull	173	3.46	5.20	6.90	8.70	10.40	12.10	
			Push	430	6.40	11.70	16.20	21.50	26.30	31.20	
25	10	10		Pull	352	3.52	4.14	7.66	11.18	14.70	18.22
			Double Push	430	8.60	12.90	17.20	21.50	25.80	30.10	
			action Pull	352	7.04	10.56	14.08	17.60	21.12	24.64	

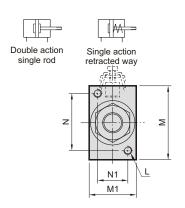
Storkes

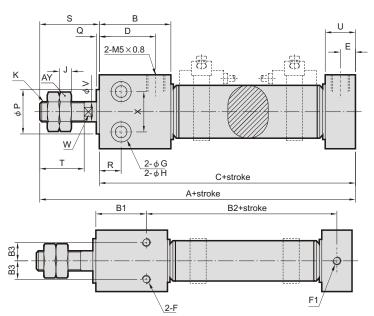
Function Tube I.D.		Hole-rod			Hole-rod	
10	5, 10, 15, 20, 25, 30, 40, 50, 80, 100	25, 50, 80, 100	10, 25, 50	10, 25, 50	25, 50	10, 25, 50
16	5, 10, 15, 20, 25, 30, 40, 50, 80, 100, 160, 200	25, 50, 80, 100, 160	10, 25, 50	10, 25, 50	25, 50	10, 25, 50
25	5, 10, 15, 20, 25, 30, 40, 50, 80, 100, 160, 200, 300, 400, 500, 650	25, 50, 80, 100, 160, 200	10, 25, 50	10, 25, 50	25, 50	10, 25, 50

Note: Special strokes are available on request



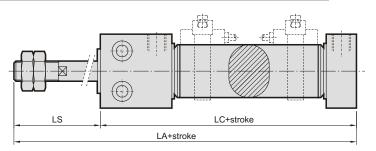
FLAT CYLINDER with no-rotation

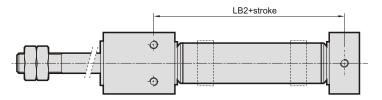




Code Tube I.D.	+1.5 +0	AY	В	B1	B2 +1.5 +0	В	3 +1 +0	.5	D	Ε		F		F1	(3	Н	J
10	74	7	22	18.3	34.2	2.	5 57	7	16	5	M	3 depth:5	M3 c	lepth:5	6.5 de	oth:3.5	3.2	2
16	89	10	24	19	43	5	67	7	19	5	M	3 depth:6	M3 c	lepth:6	8.2 de	oth:4.5	4.2	3
25	123	17	35.5	27.5	56	8	91	1.5	28	8	M4	depth:10	0 M4 d	epth:10	11 dep	oth:6.5	6.5	5
Code Tube I.D.	к		L		M N	/11	N	N1	+0 -0.		Q	R	s	Т	U	٧	w	х
10	M4×	0.7	M3 depth	1:5 2	20	12	15	7	1	0	1	9	19	12	10	4	-	12
16	M6×	1.0	M3 depth	1:6 2	.5	16	18	10	1	4	1	12	22	16	10	6	5	16



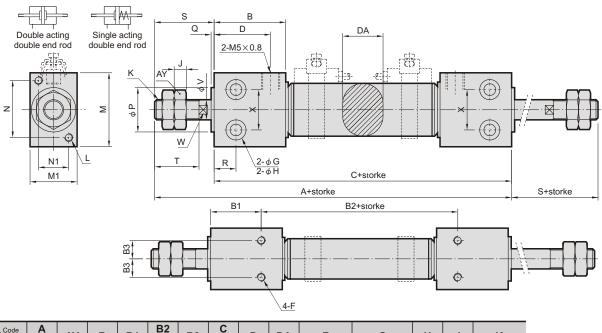




Code		LA ÷	1.5)	LB2 +1.5				LC ±	1.5	LS		
Tube I.D.	10	25	50	10	25	50	10	25	50	10	25	50
10	94	124	174	54.2	84.2	134.2	77	107	157	29	44	69
16	109	139	189	63	93	143	87	117	167	32	47	72
25	143	173	223	76	106	156	111.5	141.5	191.5	41.5	56.5	81.5

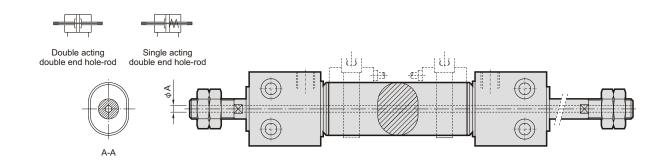


FLAT CYLINDER with no-rotation



Code Tube I.D.	A +1.5 +0	AY	В	B1	B2 +1.5 +0	В3	C +1.5 +0	D	DA	F	G	Н	J	К
10	74	7	22	18.3	33	2.5	69	16	10.3	M3 depth:5	6.5 depth:3.5	3.2	2	M4×0.7
16	89	10	24	19	43	5	81	19	14.3	M3 depth:6	8.2 depth:4.5	4.2	3	M6×1.0
25	123	17	35.5	28	56	8	111	28	22.5	M4 depth:10	11 depth:6.5	6.5	5	M10×1.25
Code							Р							

Code Tube I.D.	L	M	M1	N	N1	+0 -0.05	Q	R	s	Т	٧	W	X
10	M3 depth:5	20	12	15	7	10	1	9	19	12	4	1	12
16	M3 depth:6	25	16	18	10	14	1	12	22	16	6	5	16
25	M4 depth:10	36	24	28	16	20	1.5	16	31.5	22	10	9	24

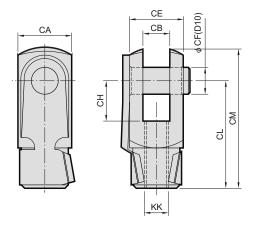


Code Tube I.D.	A +0.15 +0
10	1
16	1.2
25	3.2

M

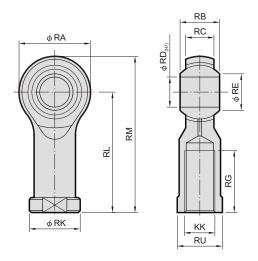
FLAT CYLINDER with no-rotation

Yconnector



Code Tube I.D.	CA	СВ	CE	CF	СН	CL	СМ	KK
8	8	4	11	4	8	16	21	M4
10	8	4	11	4	8	16	21	M4
12	12	6	16	6	12	24	31	M6
16	12	6	16	6	12	24	31	M6
20	16	8	22	8	16	32	42	M8
25	20	10	26	10	20	40	52	M10×1.25

Female rod ends



Order example	Code Tube I.D.	KK	RA	RB	RC	RD	RE	RG	RK	RL	RM	RU
PHS 4	8,10	M4	18	8	6	5	7.7	10	11	27	36	9
PHS 6	12,16	M6	18	9	7	6	8.95	14	12	30	39	10
PHS 8	20	M8	22	12	9	8	10.4	17	16	36	47	13
PHS 10	25	M10×1.25	28	14	9	10	12.9	20	19	43	56	17