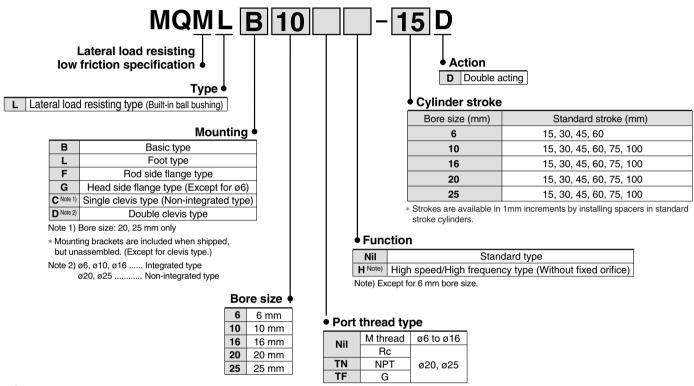
Metal Seal

Lateral Load Resisting Low Friction Cylinder Series MQM ø6, ø10, ø16, ø20, ø25

How to Order



* The MC

* The MQM series is not auto switch capable.

Mounting Style/Accessories

Mounting bracket		B: Basic	B: Basic L: Foot F: Rod side flange G: Head signal flange		G : Head side flange	C: Single clevis	D : Double clevis	Note
	Mounting nut Note 1)	● (1 pc.)	● (2 pcs.)	● (1 pc.)	● (1 pc.)	Note 1)	Note 2)	
Standard	Rod end nut	•	•	•	•	•	•	
	Clevis pin	_	_	_	_	_	•	
Option	T-bracket	_	_	_	_	_	•	With pin

Note 1) Mounting nut is not included with the integral clevis, single clevis and double clevis types.

Note 2) Pin and retaining ring are packed with the double clevis type.

Mounting Bracket Part No.

Bore size (mm)	Foot Note 1)	Flange	Single clevis	Double clevis (with pin) Note 2)	T-bracket Note 3)	
6	CJK-L016B	CJK-F016B	_	_	CJ-T010B	
10	MQM-L010	001(-1 0 101)	_	_		
16	MQM-L016	CLJ-F016B	_	_	CJ-T016B	
20	20 CM-L020B		CM-C020B	CM DOOOD	_	
25	25 CM-L032B		CM-C032B	CM-D020B	_	

Note 1-1) Bore size 6 mm:

1 foot bracket is included.

When ordering foot brackets, order 1 piece per a cylinder unit.

Note 1-2) Bore size other than 6 mm (10, 16, 20 and 25 mm) (Same as Series CM):

2 foot brackets and 1 mounting nut (1 set) are used for a cylinder unit.

When ordering foot brackets, order 2 pieces per a cylinder unit (shipped as a set).

Note 2) Clevis pin and retaining ring are included in package.

Note 3) T-bracket is applicable to the double clevis type (D).



REA

REB

REC

C□Y C□X

MQ

RHC

RZQ

D-□

-X□

Individual -X□

Series MQM



Symbol Double acting, Single rod



Specifications

							1		
Во	re s	ize (mm)	6	10	16	20	25		
Seal construction			Metal seal						
Action			Double acting, Single rod						
Fluid			Air						
Proof press	ure	:			1.05 [ИРа			
Maximum o	Maximum operating pressure				0.7 N	1Pa			
Minimum Not	e 1)	Standard type	0.02MPa 0.005 MPa						
operating pressure		H (High speed/ High frequency type)	0.01 MPa						
Ambient an	Ambient and fluid temperature			-10 to 80°C					
Cushion	Cushion			Rubber bumper (Standard)					
Lubrication	Note	e 2)	Not required (Non-lube)						
Stroke leng	th t	olerance	+1.0 0						
Piston Note 3)		Standard type	0.5 to 1000 mm/s (Refer to page 1191.)						
speed	Н	H (High speed/ igh frequency type)	_	5 to	3000 mm/s (Refer to page 1191.)				
Total	Su	pply pressure 0.1 MPa	150 cm ³ /n	nin or less	250 cm ³ /n	nin or less	300 cm ³ /min or less		
allowable	Sup	oply pressure 0.3 MPa	800 cm ³ /m	nin or less	1000 cm ³ /min or less		1200 cm ³ /min or less		
leakage	Sup	oply pressure 0.5 MPa	1500 cm ³ /min or less		2500 cm ³ /ı	min or less	3000 cm ³ /min or less		

Note 1) Value when horizontal. (Use clean, dry, and nonfreezing air) However, as the stroke increases, it will likely be affected by the mass of its moving parts and the pressure will likely increase by approx. 0.003 to 0.005 MPa due to an offset load from the mass of the rod.

Note 2) Refer to precautions on page 1189 regarding lubrication.

Note 3) Control low speed actuation with differential pressure and a speed controller, etc.

(Refer to recommended circuit examples on page 1169 for further details.)

Mass: Standard Type, High Speed/High Frequency Type

						Unit: g				
Bore size	Cylinder stroke (mm)									
(mm)	15	30	45	60	75	100				
6	52.5	60.7	68.9	77.1	_	_				
10	92.4	102.7	113.0	123.3	133.6	143.9				
16	152.4	175.2	198.0	220.8	243.6	266.4				
20	349.8	392.6	435.4	478.2	521.0	563.8				
25	460.8	510.0	559.2	608.4	657.6	706.8				
		•	,							

Theoretical Output

							OUT 🕒	Unit: N			
Bore size	Rod size	Direction	Piston area	Operating pressure (MPa)							
(mm)	(mm)	Direction	(mm²)	0.1	0.2	0.3	0.4	0.5	0.6	0.7	
6	4	IN	15.7	1.6	3.2	4.7	6.3	7.9	9.4	11.0	
0	4	OUT	28.3	2.8	5.7	8.5	11.3	14.2	17.0	19.8	
10	4	IN	66.0	6.6	13.2	19.8	26.4	33.0	39.6	46.2	
10		4	OUT	78.5	7.9	15.7	23.6	31.4	39.3	47.1	55.0
16	5	5	IN	181.4	18.1	36.3	54.4	72.6	90.7	108.8	127.0
10			OUT	201.1	20.1	40.2	60.3	80.4	100.6	120.7	140.8
20	8	8	IN	263.9	26.4	52.8	79.2	105.6	132.0	158.3	184.7
20			OUT	314.2	31.4	62.8	94.3	125.7	157.1	188.5	219.9
25	10	IN	412.3	41.2	82.5	123.7	164.9	206.2	247.4	288.6	
25	10	OUT	490.9	49.1	98.2	147.3	196.4	245.5	294.5	343.6	