



Technical data



Caution for safety
(Read before installing)



Table for standard stroke

Tube I.D.	Stroke (mm)
ø4	5,10,15,20

Tightening torque

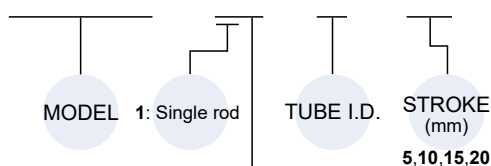
Tube I.D.	Rod thread	Tightening torque (kgf·cm)
ø4	M2×0.4	1.39

* Make sure the tightening torque of rod thread does not exceed the value above.

* The tolerance of tightening torque is ±5%.

Order example

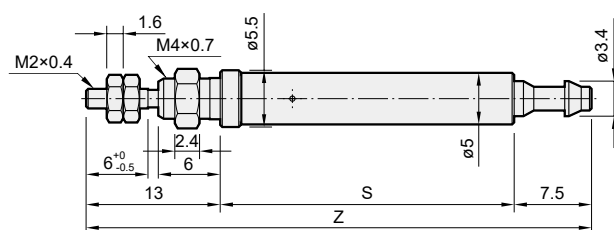
MCMJ1 – 15 – 4 – 10



STYLE

Code	Symbol	Description
1 5		Single acting / Normally returned male thread

Dimensions



Code	S				Z				
Stroke	5	10	15	20	5	10	15	20	
Tube I.D.	4	19.5	28.5	37.5	46.5	40	49	58	67

Specification

Model	MCMJ1
Acting type	Single acting
Tube I.D. (mm)	4
Medium	Air
Max. operating perssure	0.7 MPa
Min. operating perssure	0.3 MPa
Proof pressure	1 MPa
Lubrication	Not required
Ambient temperature	-5~+60°C (No freezing)
Available speed range	50~500 mm/sec
Max. allowable kinetic energy	0.004J

* All this product line is without magnet.

Spring retracting force

Unit: N

Tube I.D.	Extended position	Retracted position
ø4	3.04	1.07

Theoretical force

Unit: N

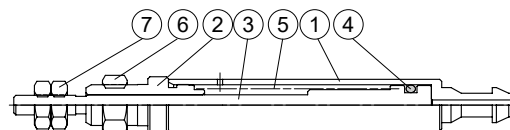
Tube I.D.	Operation direction	Piston area (mm)	Operating pressure (MPa)				
			0.3	0.4	0.5	0.6	0.7
ø4	OUT	12.6	0.74	2.0	3.26	4.52	5.78
	IN	—	1.47				

Cylinder weight

Unit: g

Tube I.D.	Stroke (mm)			
	5	10	15	20
ø4	38	48	58	68

Inside structure & Parts list



No.	Part name	Material
1	Tube	Copper
2	Rod cover	Copper
3	Piston rod	Stainless steel
4	Piston packing	NBR
5	Spring	Stainless steel
6	Tie nut	Copper
7	Rod front nut	Copper