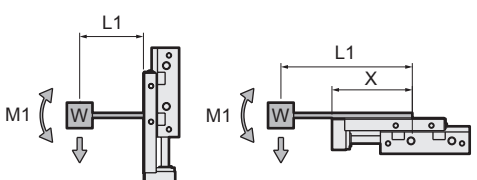
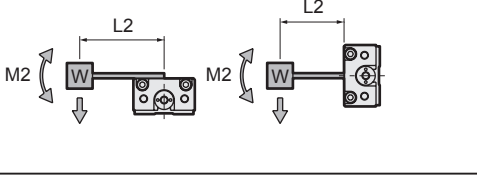
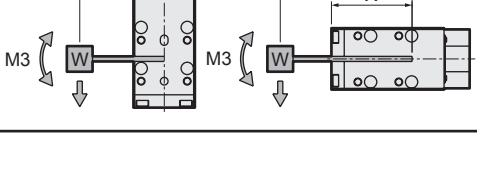


STEP-1

Confirm that the load moment in the full stroke is within the allowable value in each direction.

· Direction of moment and length to the center of the guide (X)

Direction	Fig.	Formula
M1 moment		$M1 = L1 \times W$
M2 moment		$M2 = L2 \times W$
M3 moment		$M3 = L3 \times W$

· Allowable moment

N·m

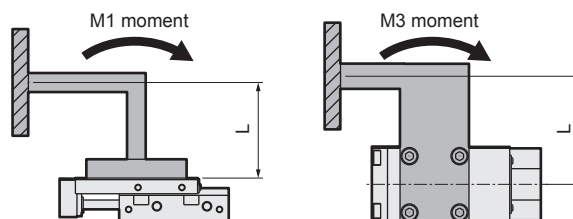
Model No.	M1	M2	M3
LCM-*4.5	0.24	0.22	0.29
LCM-*6	0.28	0.23	0.34
LCM-*8	0.28	0.38	0.34

· Length to the center of the guide (X)

mm

Model No.	Stroke	X		
		Standard	With buffer	Clean specs.
LCM-*4.5	5	30	40	35
	10			
LCM-*6	5	31.5	41.5	36.5
	10			
	15	36.5	46.5	41.5
	20	41.5	51.5	46.5
	30	51.5	61.5	56.5
LCM-*8	5	31.5	41.5	36.5
	10			
	15	41.5	51.5	46.5
	20			
	30	51.5	61.5	56.5

* Note that if a workpiece makes contact at a point off the guide during the stroke, the thrust will cause a large moment.



STEP-2

Confirm that the kinetic energy obtained from the load weight of the cylinder and the piston speed is within the allowable absorbed energy.

Bore size	ø4.5	ø6	ø8
Allowable absorbed energy J	1.59×10^{-3}	2.83×10^{-3}	5.02×10^{-3}

