



Always on track!

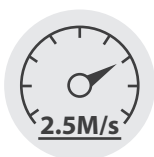
Linear Motor Positioning Stage



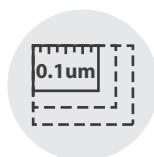
Max. Horizontal
Payload



Max. Stroke



Max. Speed



Encoder
Options



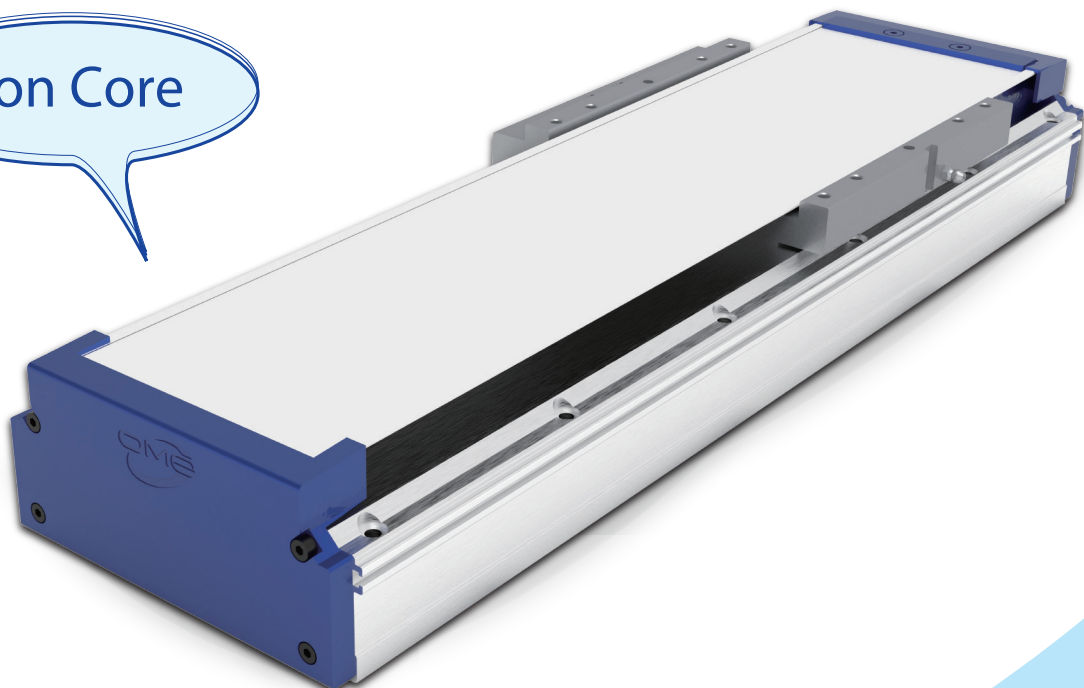
Controller
Options



Long Life



Iron Core



Website



Facebook



LinkedIn

www.ome.com.tw

Spec Index

Model	Thrust (N)	Width (mm)	Drive Type	Repeatability (mm)
LMTS1	59	133	Iron Core	±0.002
	113	155		
	158	155		
	251	215		
	340	215		
LMSS1	59	133	Iron Core	±0.002
	115	155		
	158	155		
	251	215		
	340	215		
LMGS1	14	56	Iron Core	±0.002
	59	75		
LMGW1	79	125	Iron Core	±0.002
LMCS1	59	133	Iron Core	±0.002
	113	155		
	158	155		
	251	200		
	340	200		

* Please consult with our sales department for customized stroke & speed.

Ordering Method

LMTS1 -113 -133 -1 -SE 0100 -0650

Model

LMTS1	Standard Type
LMSS1	Sealed Type
LMGS1	Class 100 Clean Room Type
LMGW1	Class 100 Clean Room Type
LMCS1	Class 1 Clean Room Type

Force

014	14N LMGS
059	59N LMTS / LMSS / LMGS / LMCS
079	79N LMGW
113	113N LMTS / LMSS / LMCS
158	158N LMTS / LMSS / LMCS
251	251N LMTS / LMSS / LMCS
340	340N LMTS / LMSS / LMCS

Width (mm)

056	56 LMGS
075	75 LMGS
125	125 LMGW
133	133 LMTS / LMSS / LMCS
155	155 LMTS / LMSS / LMCS
215	215 LMTS / LMSS / LMCS

Number of Motor

1	Single Motor
2	Double Motor

Encoder

SE	Standard Encoder
MS	Magnetic Encoder

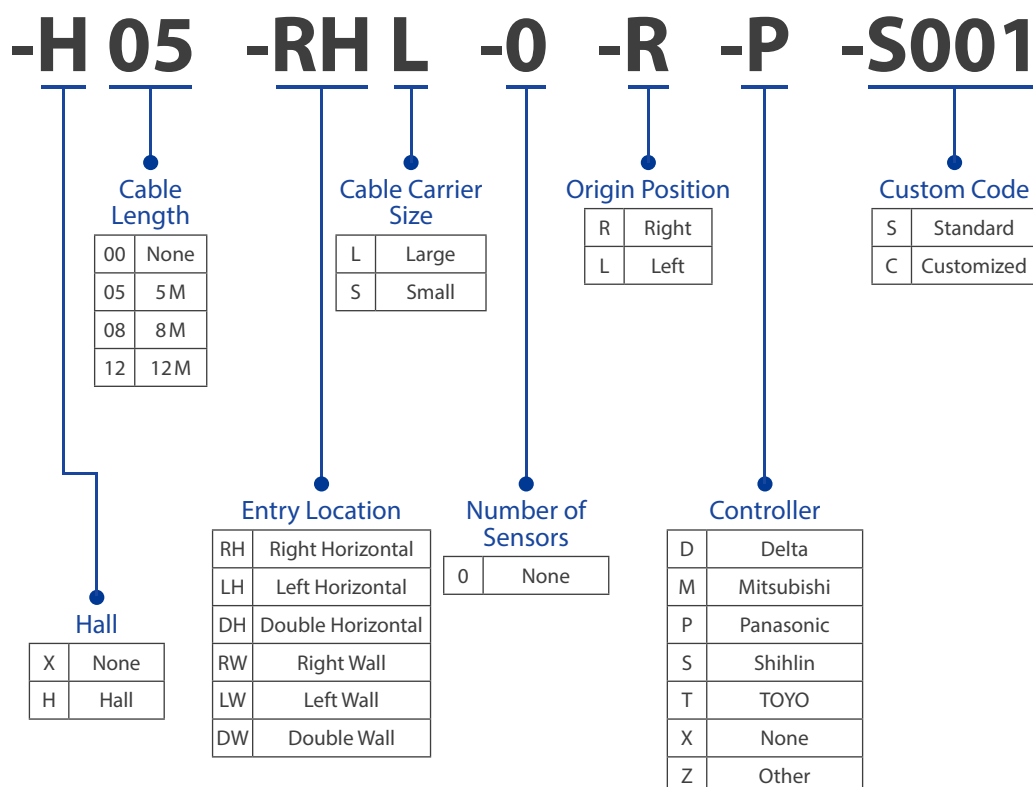
Encoder Resolution

0100	0.1 um
0500	0.5 um
1000	1 um

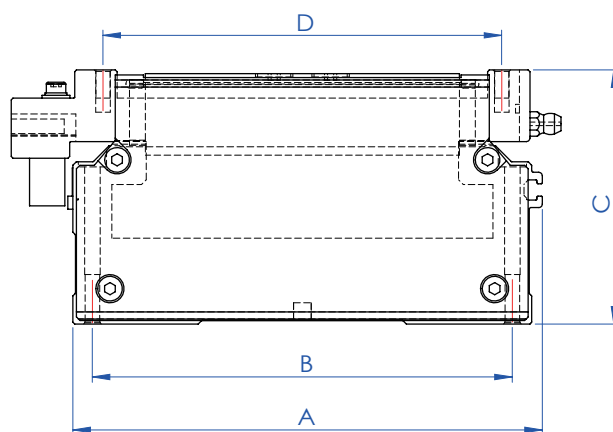
Stroke (mm)

The Max. stroke can be up to eight meters, please consult with our sales department for stroke.

Payload (kg)	Maximum Speed (mm/s)	Environment
20	2500	Standard Type
40		
54		
90		
120		
20	2500	Sealed Type
40		
54		
90		
120		
3	2500	Class 100 Clean Room Type
15		
20	2500	Class 100 Clean Room Type
20	1500	Class 1 Clean Room Type
40		
54		
90		
120		



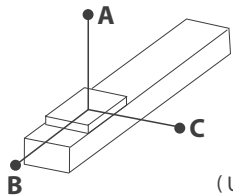
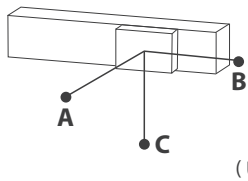
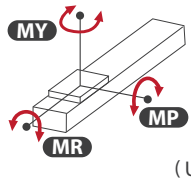
List of Specifications : LMTS1



Model		LMTS1-59	LMTS1-113	LMTS1-158	LMTS1-251	LMTS1-340
Dimension (mm)	A	133	155	155	215	215
	B	119	140	140	198	198
	C	72	73	73	85	85
	D	113	134	134	189	189

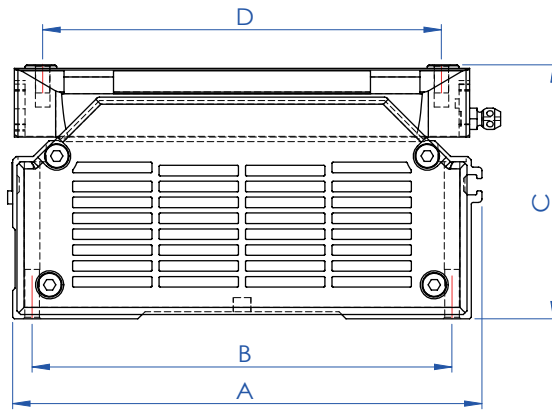
Allowable Overhang

Static Loading Moment

		 (Unit : mm)				 (Unit : mm)				 (Unit : N.m)	
Model		Horizontal Installation				Wall Installation				Horizontal Installation	
LMTS1-59	Load	A	B	C	Load	A	B	C		MY	1667
	5 kg	3500	700	600	5 kg	600	700	3500		MP	1667
	10 kg	1750	350	300	10 kg	300	350	1750		MR	1469
	15 kg	1150	230	200	15 kg	200	230	1150			
LMTS1-113	10 kg	2200	450	320	10 kg	320	450	2200		MY	2461
	20 kg	1100	220	160	20 kg	160	220	1100		MP	2461
	30 kg	720	140	100	30 kg	100	140	720		MR	1865
	40 kg	540	100	75	40 kg	75	100	540			
LMTS1-158	25 kg	830	150	110	25 kg	110	150	830		MY	2461
	35 kg	580	105	75	35 kg	75	105	580		MP	2461
	45 kg	450	75	55	45 kg	55	75	450		MR	1865
	54 kg	360	60	45	54 kg	45	60	360			
LMTS1-251	45 kg	700	125	120	45 kg	120	125	700		MY	3625
	60 kg	520	90	90	60 kg	90	90	520		MP	3625
	75 kg	410	70	65	75 kg	65	70	410		MR	3757
	90 kg	330	55	55	90 kg	55	55	330			
LMTS1-340	60 kg	450	70	70	60 kg	70	70	450		MY	3625
	80 kg	340	50	45	80 kg	45	50	340		MP	3625
	100 kg	260	35	35	100 kg	35	35	260		MR	3757
	120 kg	200	25	25	120 kg	25	25	200			

* Above chart is based on acceleration time 0.2 sec.

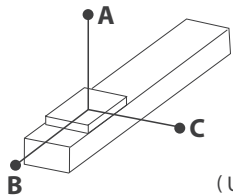
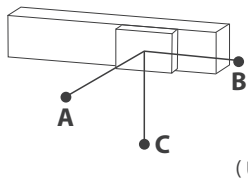
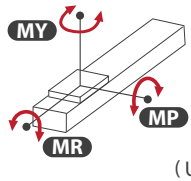
List of Specifications : LMSS1



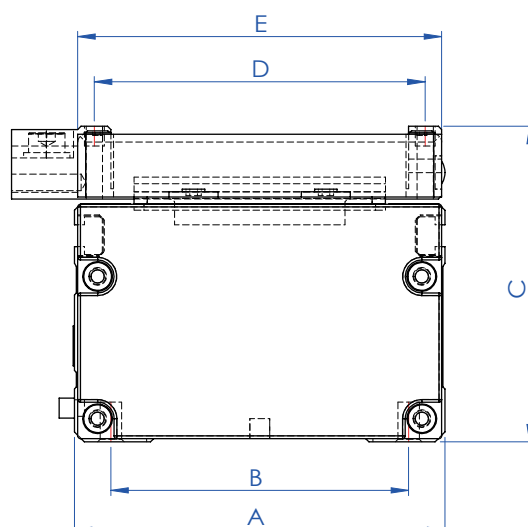
Model		LMSS1-59	LMSS1-113	LMSS1-158	LMSS1-251	LMSS1-340
Dimension (mm)	A	133	155	155	215	215
	B	119	140	140	198	198
	C	72	73	73	85	85
	D	113	134	134	189	189

Allowable Overhang

Static Loading Moment

		 (Unit : mm)				 (Unit : mm)				 (Unit : N.m)	
Model		Horizontal Installation				Wall Installation				Horizontal Installation	
LMSS1-59	Load	A	B	C	Load	A	B	C		MY	1667
	5 kg	3500	700	600	5 kg	600	700	3500		MP	1667
	10 kg	1750	350	300	10 kg	300	350	1750		MR	1469
	15 kg	1150	230	200	15 kg	200	230	1150			
LMSS1-113	20 kg	850	170	140	20 kg	140	170	850			
	10 kg	2200	450	320	10 kg	320	450	2200		MY	2461
	20 kg	1100	220	160	20 kg	160	220	1100		MP	2461
	30 kg	720	140	100	30 kg	100	140	720		MR	1865
LMSS1-158	40 kg	540	100	75	40 kg	75	100	540			
	25 kg	830	150	110	25 kg	110	150	830		MY	2461
	35 kg	580	105	75	35 kg	75	105	580		MP	2461
	45 kg	450	75	55	45 kg	55	75	450		MR	1865
LMSS1-251	54 kg	360	60	45	54 kg	45	60	360			
	45 kg	700	125	120	45 kg	120	125	700		MY	3625
	60 kg	520	90	90	60 kg	90	90	520		MP	3625
	75 kg	410	70	65	75 kg	65	70	410		MR	3757
LMSS1-340	90 kg	330	55	55	90 kg	55	55	330			
	60 kg	450	70	70	60 kg	70	70	450		MY	3625
	80 kg	340	50	45	80 kg	45	50	340		MP	3625
	100 kg	260	35	35	100 kg	35	35	260		MR	3757
	120 kg	200	25	25	120 kg	25	25	200			

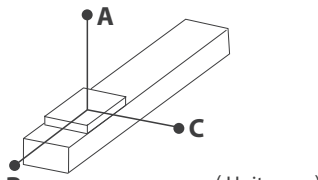
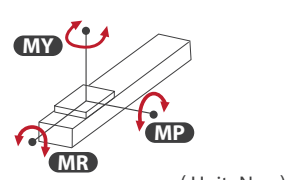
* Above chart is based on acceleration time 0.2 sec.



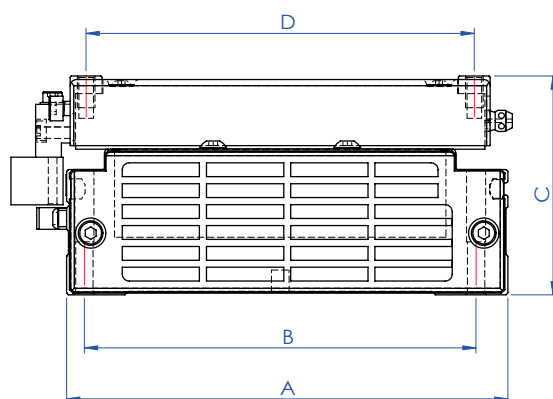
Model		LMGS1-14	LMGS1-59
Dimension (mm)	A	56	75
	B	45	67
	C	48	75
	D	50	64
	E	55	71

Allowable Overhang

Static Loading Moment

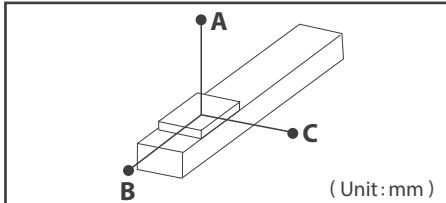
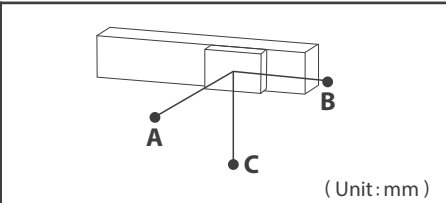
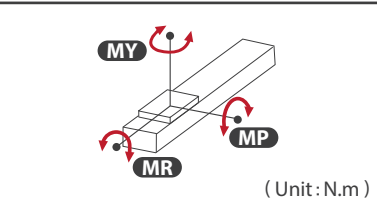
						
Model	Horizontal Installation				Horizontal Installation	
LMGS1-14	Load	A	B	C	MY	95
	0.5 kg	1000	650	500	MP	95
	1 kg	750	500	375	MR	195
	2 kg	500	350	250		
LMGS1-59	3 kg	250	150	125	MY	247
	5 kg	1850	520	710	MP	247
	10 kg	1150	310	430	MR	465
	15 kg	800	210	285		

* Above chart is based on acceleration time 0.2 sec.



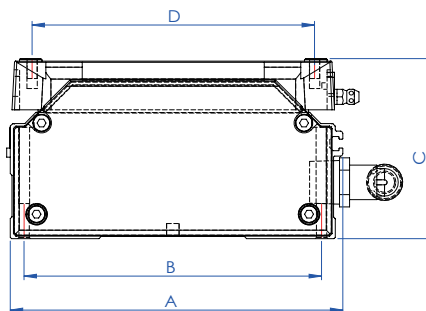
Model		LMGW1-79
Dimension (mm)	A	125
	B	111
	C	62
	D	110

Allowable Overhang

										
Model	Horizontal Installation				Wall Installation				Horizontal Installation	
LMGW1-79	Load	A	B	C	Load	A	B	C	MY	794
	5 kg	1237	332	548	5 kg	548	332	1237	MP	794
	10 kg	609	161	267	10 kg	267	161	609	MR	1864
	15 kg	399	104	173	15 kg	173	104	399		
	20 kg	295	76	126	20 kg	126	76	295		

* Above chart is based on acceleration time 0.2 sec.

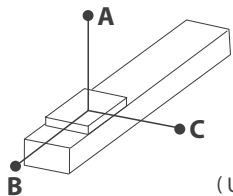
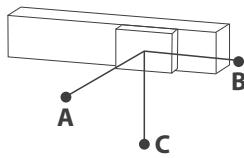
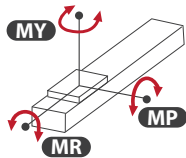
List of Specifications : LMCS1



Model		LMCS1-59	LMCS1-113	LMCS1-158	LMCS1-251	LMCS1-340
Dimension (mm)	A	133	155	155	215	215
	B	119	140	140	198	198
	C	72	73	73	85	85
	D	113	134	134	189	189

Allowable Overhang

Static Loading Moment

 (Unit: mm)					 (Unit: mm)				 (Unit: N.m)	
Model	Horizontal Installation				Wall Installation				Horizontal Installation	
LMCS1-59	Load	A	B	C	Load	A	B	C	MY	1667
	5 kg	3500	700	600	5 kg	600	700	3500	MP	1667
	10 kg	1750	350	300	10 kg	300	350	1750	MR	1469
	15 kg	1150	230	200	15 kg	200	230	1150		
LMCS1-113	20 kg	850	170	140	20 kg	140	170	850	MY	2461
	10 kg	2200	450	320	10 kg	320	450	2200	MP	2461
	20 kg	1100	220	160	20 kg	160	220	1100	MR	1865
	30 kg	720	140	100	30 kg	100	140	720		
LMCS1-158	40 kg	540	100	75	40 kg	75	100	540	MY	2461
	25 kg	830	150	110	25 kg	110	150	830	MP	2461
	35 kg	580	105	75	35 kg	75	105	580	MR	1865
	45 kg	450	75	55	45 kg	55	75	450		
LMCS1-251	54 kg	360	60	45	54 kg	45	60	360	MY	3625
	45 kg	700	125	120	45 kg	120	125	700	MP	3625
	60 kg	520	90	90	60 kg	90	90	520	MR	3757
	75 kg	410	70	65	75 kg	65	70	410		
LMCS1-340	90 kg	330	55	55	90 kg	55	55	330	MY	3625
	60 kg	450	70	70	60 kg	70	70	450	MP	3625
	80 kg	340	50	45	80 kg	45	50	340	MR	3757
	100 kg	260	35	35	100 kg	35	35	260		
	120 kg	200	25	25	120 kg	25	25	200		

* Above chart is based on acceleration time 0.2 sec.