LMS 65DG
LINEAR MOTOR MODULE

features

- Direct Drive Design
- High Speed
- High Strength Aluminium Profile
- Resolution of 10μm, 5μm,1μm, 0.5μm, 0.1μm, 50nm, 20nm, 5nm, 2.5nm, 1.22nm.
- Zero Backlash
- Least Maintenance Required

Technical Specification

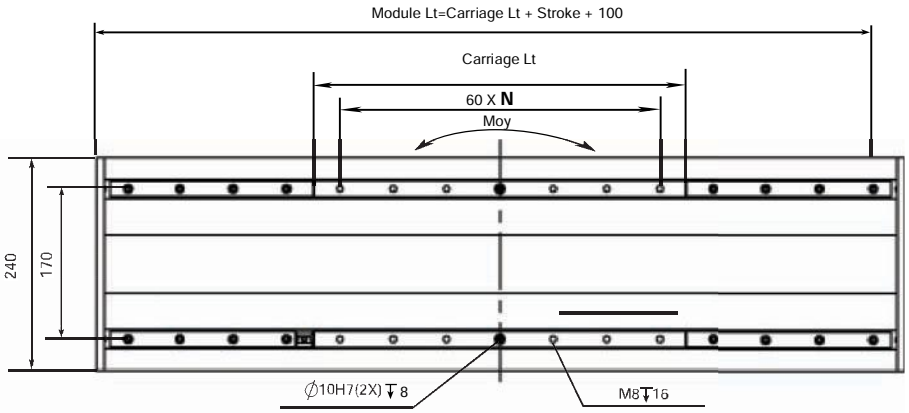
Five basic models are available covering different load, speed and travel requirements.

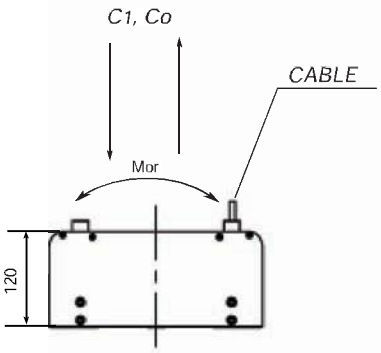
Descriptions	Unit	LMS65DG-C2	LMS65DG-C3	LMS65DG-C4	LMS65DG-C6	LMS65DG-C8
Continuous Force	N	154	231	308	462	616
Peak Force	N	760	1140	1520	2280	3040
Maximum Velocity [4]	m/s	5	5	5	5	5
Maximum Acceleration	m/s^2	100	100	100	100	100
Maximum Carriage Weight	kg	5	6	7	9	11
Maximum Carriage Length	mm	180	240	300	420	540

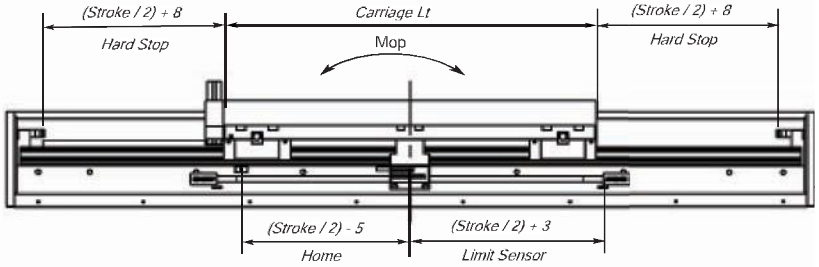
1 Please request for free motor selection software.
2 Total module weight = base weight + moving carriage weight.
3 Custom lengths are available, please consult factory.
4 Subject to encoder resolution

LMS 65DG

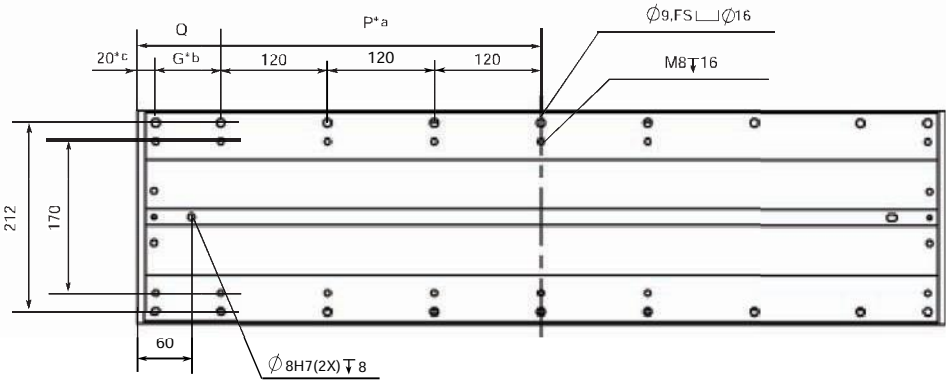
Dimensions







NOTE
a. Incremental step of 120.
b. G = Q - 20
= > 0
= <120
c. 20 & G will be deleted.
if G < 40



Bearing Load & Moment Ratings		
		All Models
Dyamic Load C1	KN	75.2
Static Load Co	KN	97.6
Static Moment Mor	Nm	4148
Static Moment Mop	Nm	1064
Static Moment Moy	Nm	1064

Coil Size Carriage Lt		N
C2	120	2
C3	240	2
C4	300	4
C6	420	6
C8	540	8

Weight of Base = 50kg/m
(Excluding Carriage wt)
Module weight = Base + Carriage