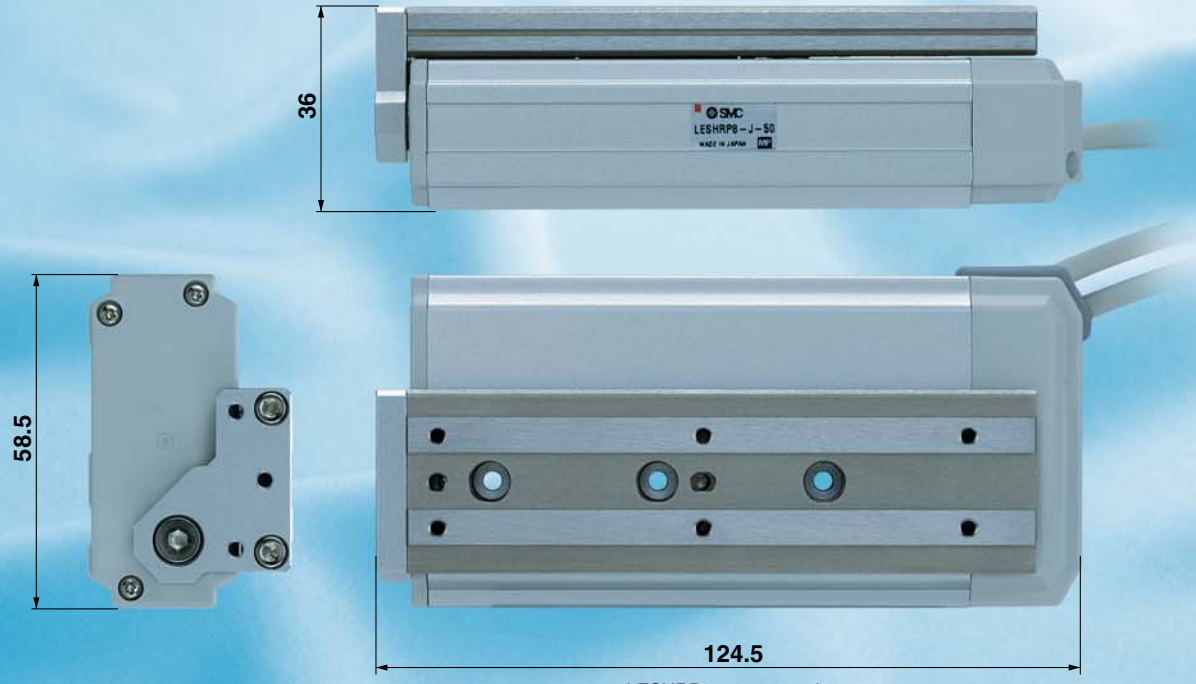
- Compact and space saving (61% reduction in volume compared to the previous SMC product)
- Reduced tact time
  5,000 mm/s² max. acceleration, **400** mm/s max. speed
- Positioning repeatability: within ±**0.05** mm
  Positioning pattern outputs: **64** points



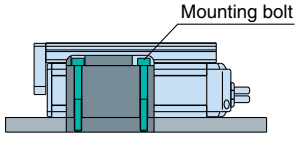
∗ LESHRP8, 50 mm stroke

Electric Slide Table

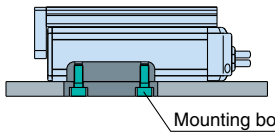
Series LES

- Can be mounted from two directions.

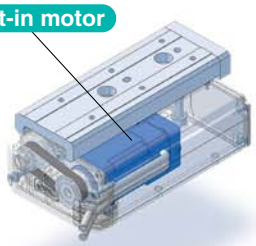
Through-hole mounting



Body-tapped mounting



Built-in motor



Specifications and Performance

Size		LES8		LES16		LES25	
Workload (kg)	Horizontal	2	1	6	4	9	6
	Vertical	0.5	0.25	2	1	4	2
Speed (mm/s)		200	400	200	400	150	400
Screw lead (mm)		4	8	5	10	8	16
Motor		Stepper motor with encoder					
Positioning repeatability (mm)		Within ±0.05 mm					

Product Mass

(kg)

Size \ Stroke (mm)	50	75	100	150
LES8	0.55	0.70	—	—
LES16	1.15	—	1.60	—
LES25	2.50	—	3.30	4.26

SMC

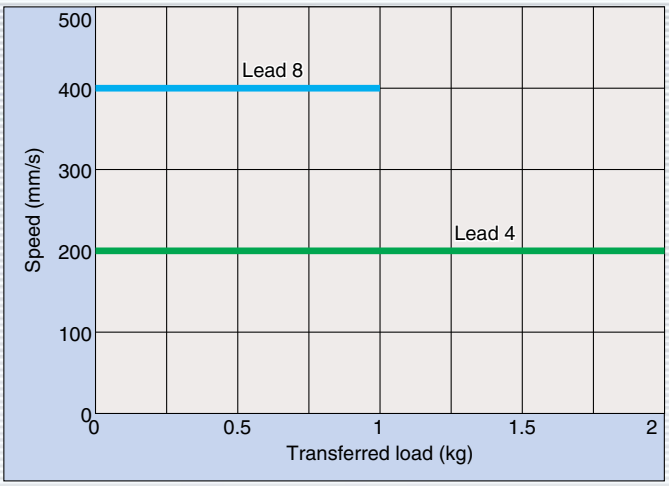
Model Selection 1

Speed to Workload Graphs

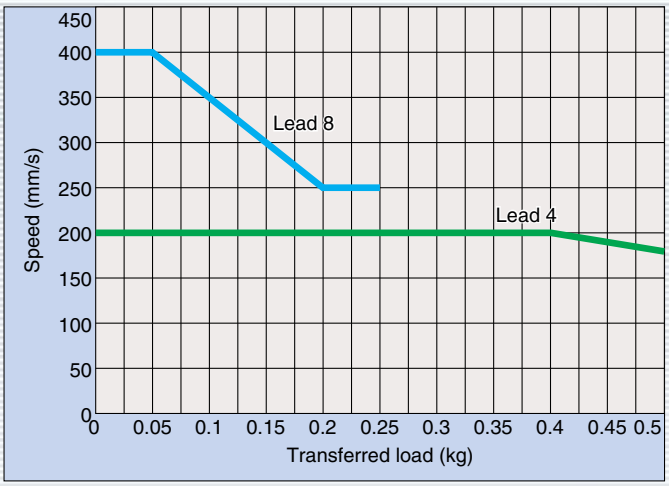
LESHRP8

∗ Values in the following graphs are based on a positioning thrust force of 100%.

● Horizontal

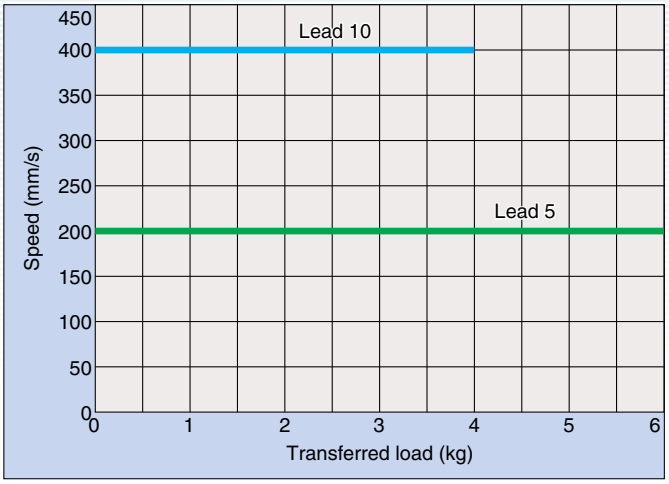


● Vertical

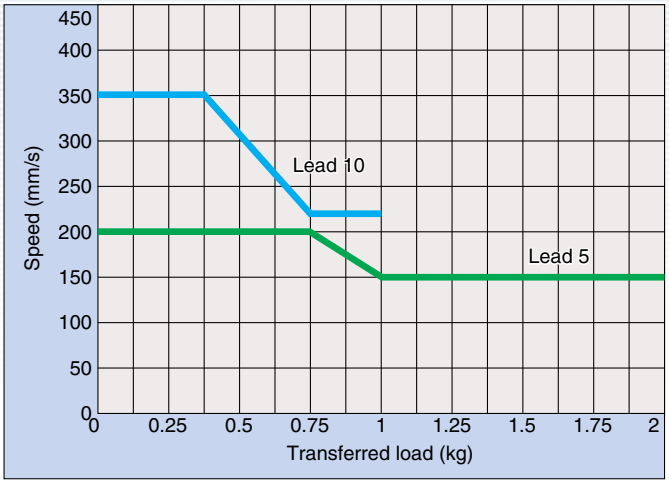


LESHRP16

● Horizontal

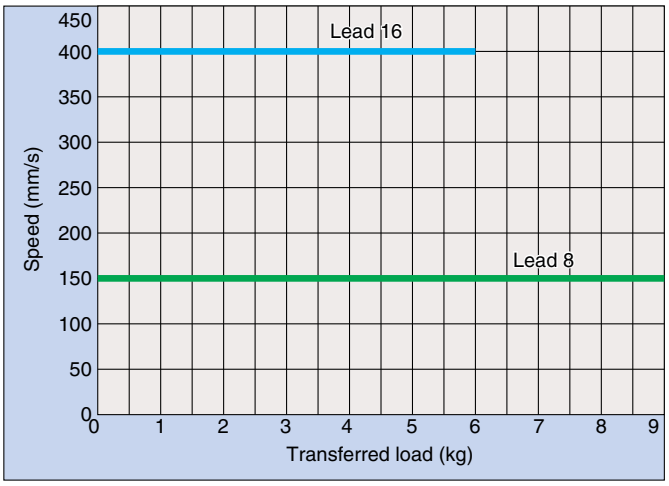


● Vertical

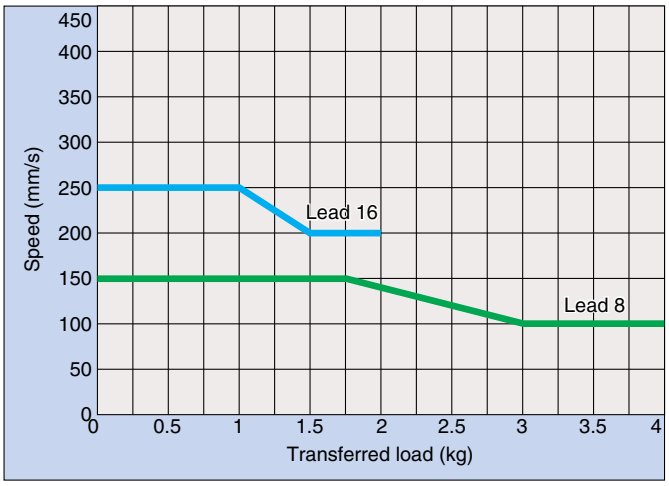


LESHRP25

● Horizontal

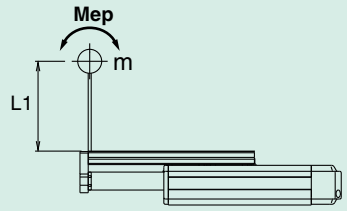
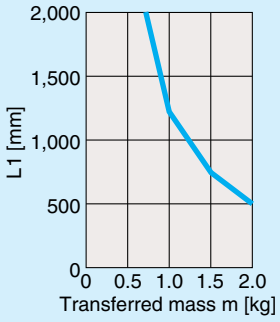
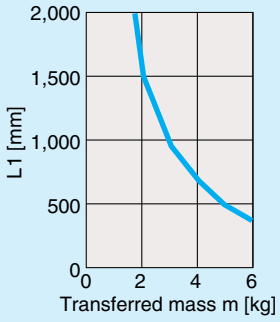
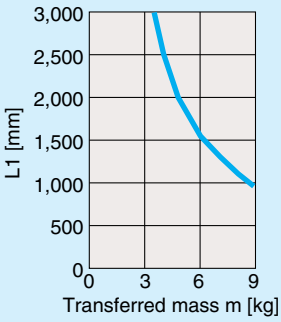
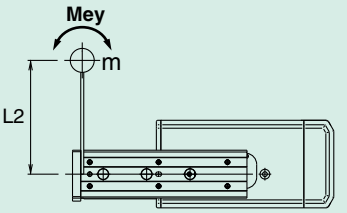
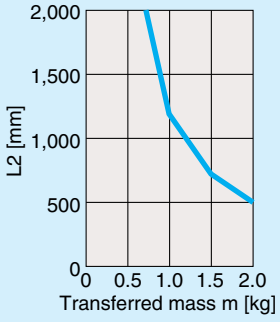
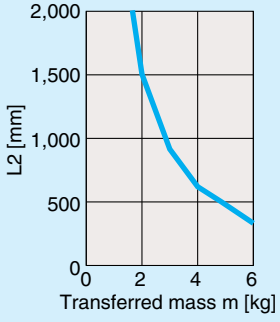
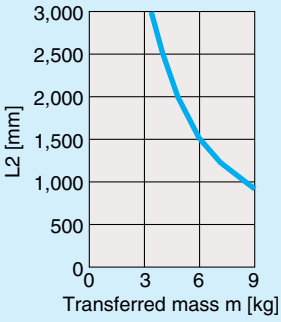
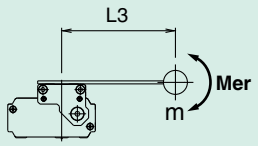
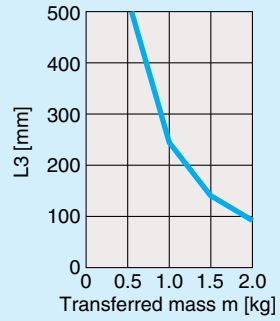
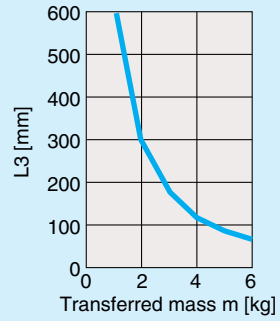
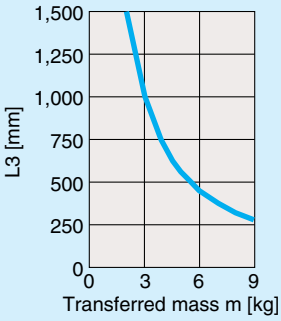
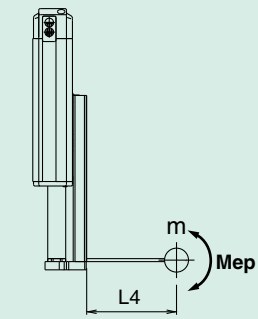
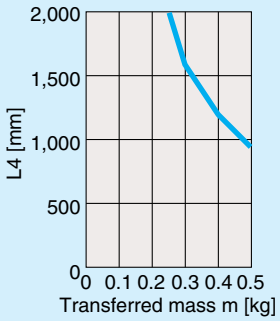
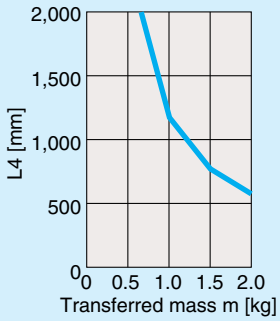
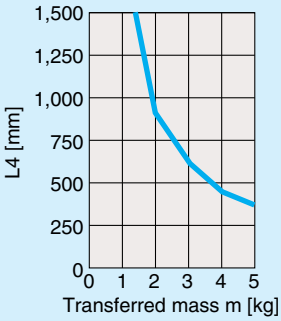
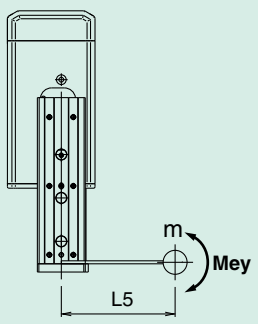
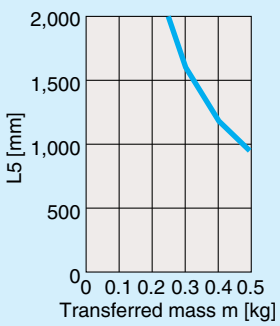
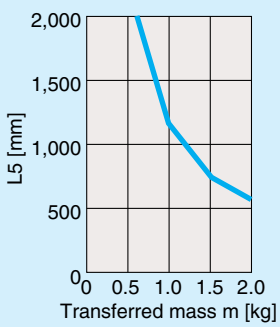
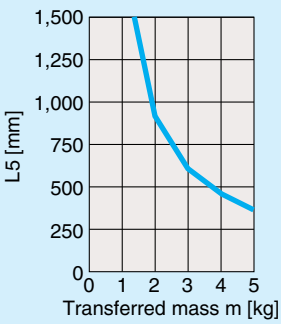


● Vertical

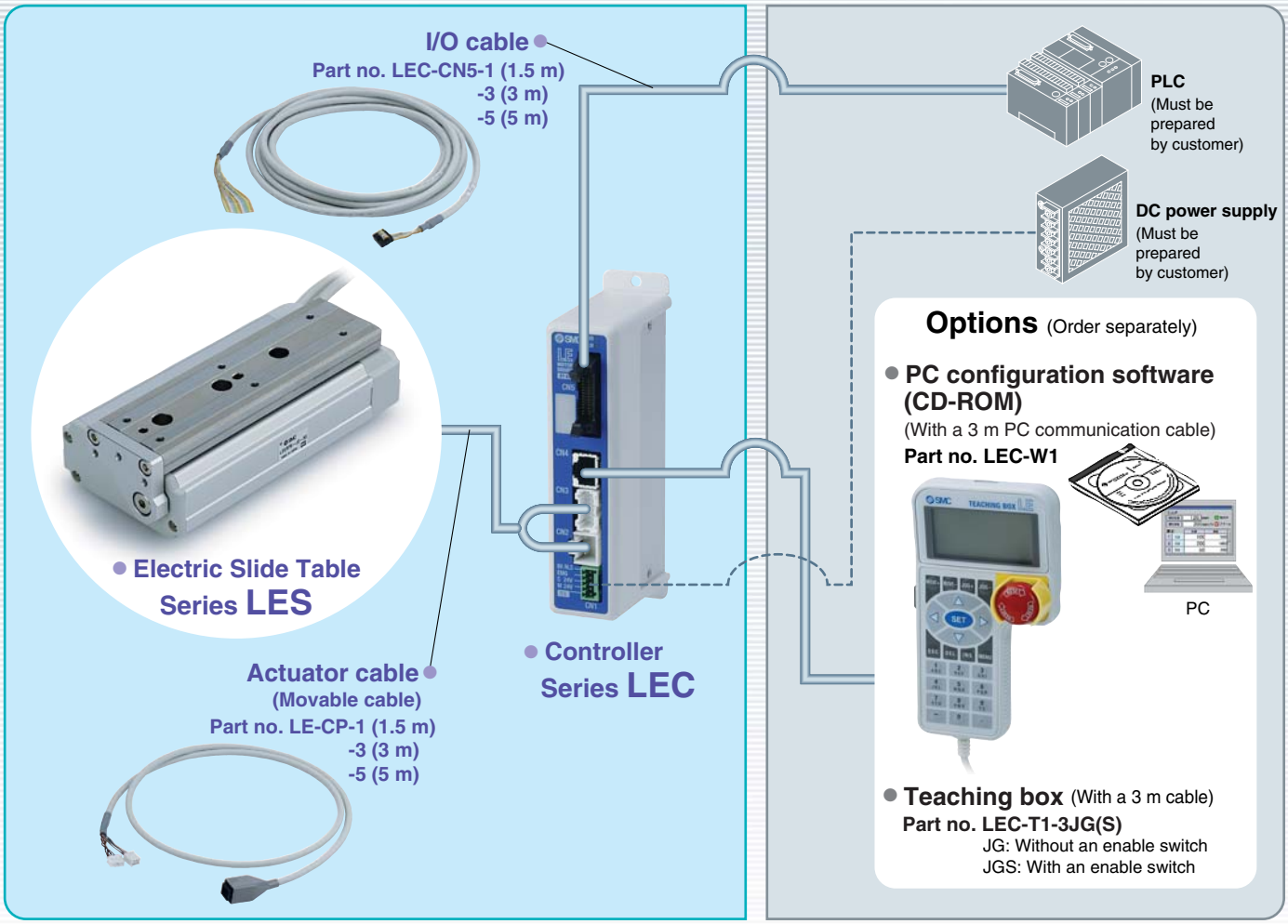


Model Selection ②

Dynamic Allowable Moment

Position	Load direction m: Transferred mass [kg] Me: Dynamic allowable moment [N·m] L: Overhang to workpiece center of gravity [mm]		Model LESHRP8	Model LESHRP16	Model LESHRP25
Horizontal		Pitching Mep			
		Yawing Mey			
		Rolling Mer			
Vertical		Pitching Mep			
		Yawing Mey			

System Configuration



Electric Slide Table Part Numbers

LESHRP [8] – [J] – [50] [ ] – [ ] – [ ] [ ]

Body size

8
16
25

Feed screw type

Symbol	Screw lead (mm)		
	LES8	LES16	LES25
K	4	5	8
J	8	10	16

Stroke

Stroke (mm)	Body size
50,75	8
50,100	16
50,100,150	25

Body option

Nil	Basic type
S	Dustproof*

* A scraper is built into the rod cover and gaskets are attached to both end covers.

Actuator cable length

Nil	NA
R1	1.5 m
R3	3 m
R5	5 m

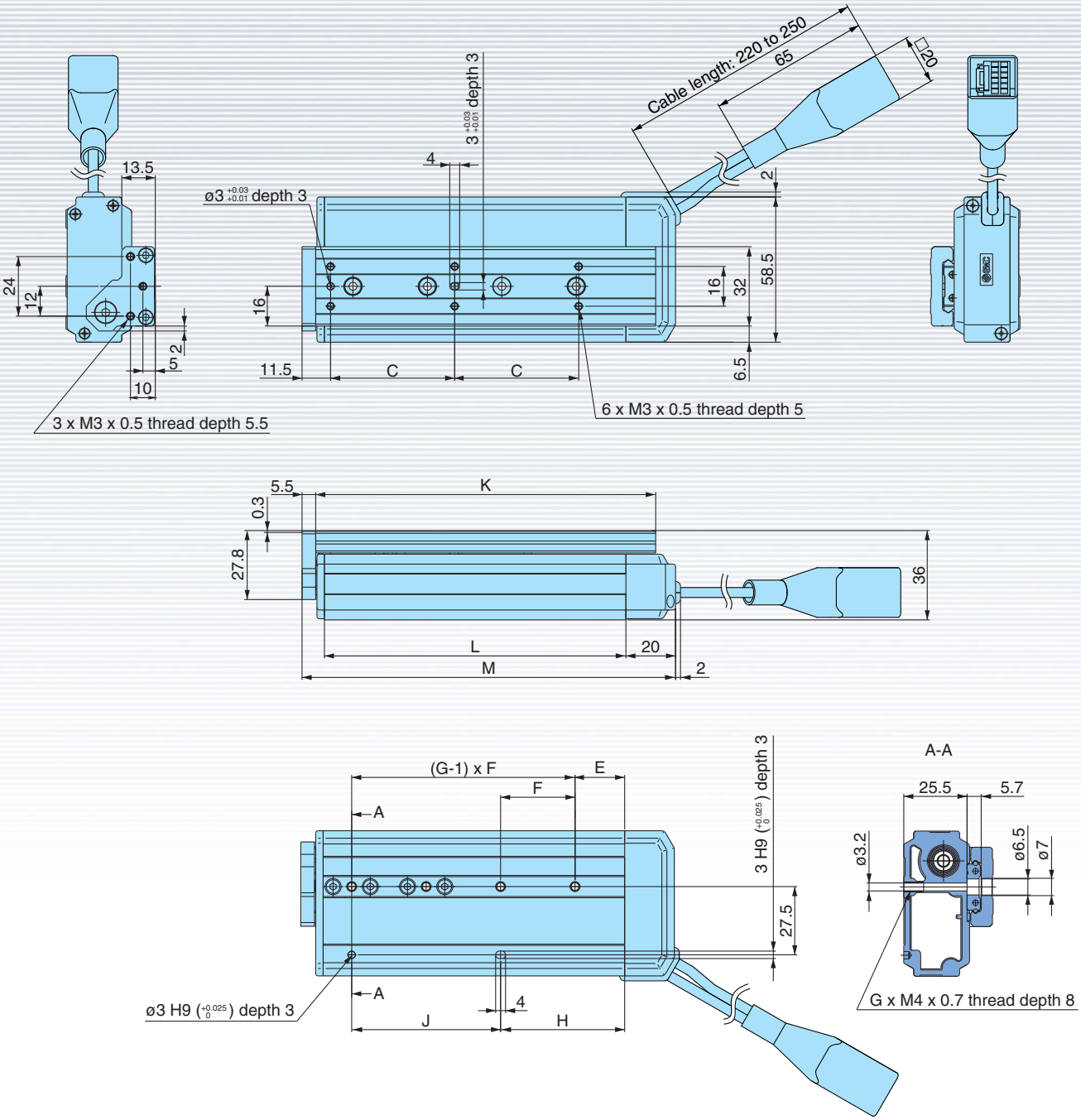
Controller

Nil	NA
P6N	With controller (NPN)
P6P	With controller (PNP)

I/O cable length

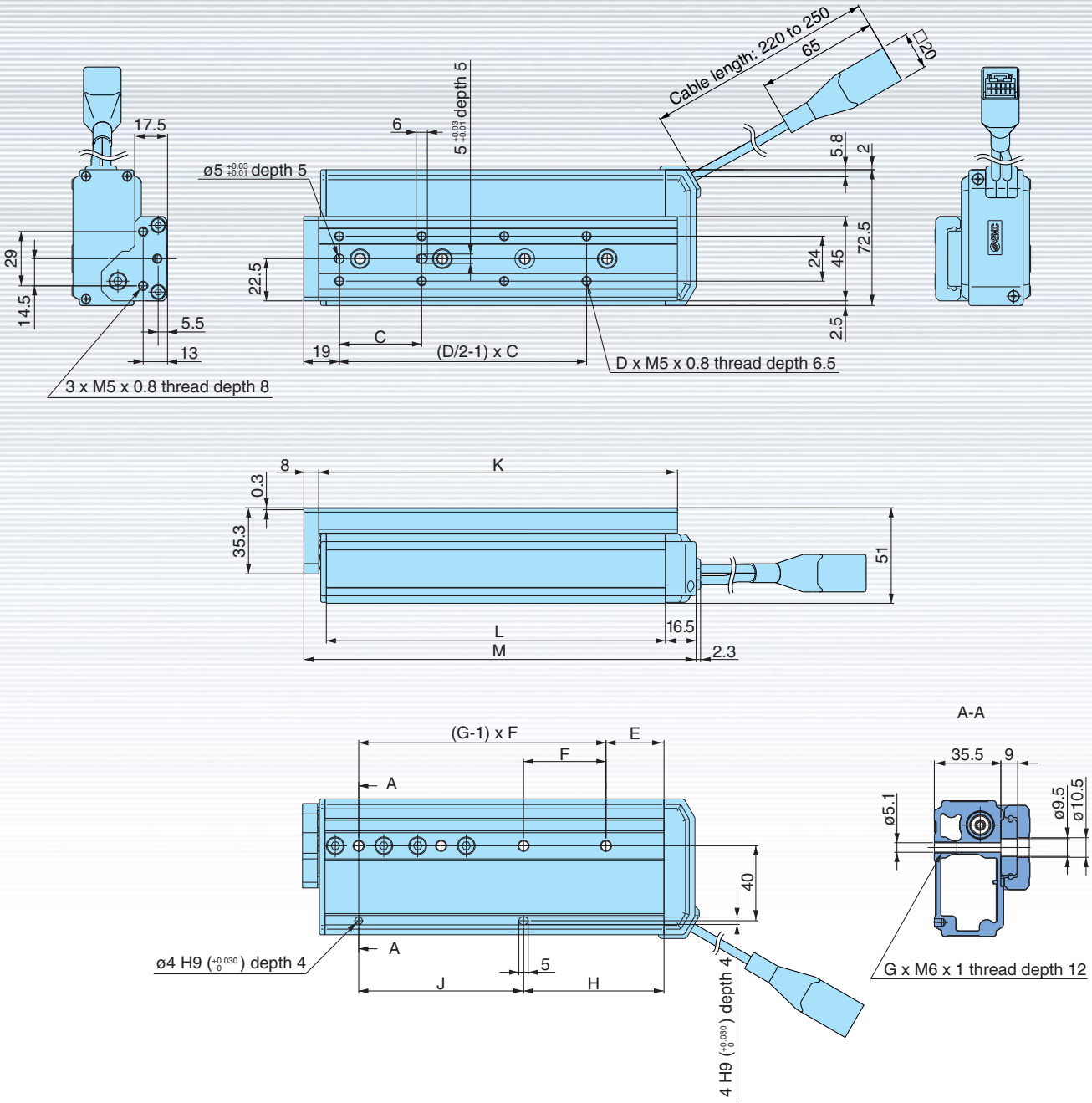
Nil	NA
1	1.5 m
3	3 m
5	5 m

LES8



Model	C	E	F	G	H	J	K	L	M
LESHRP8-□-50□-□-□□	46	26	29	3	26	58	111	95.5	124.5
LESHRP8-□-75□-□-□□	50	20	30	4	50	60	137	121.5	150.5

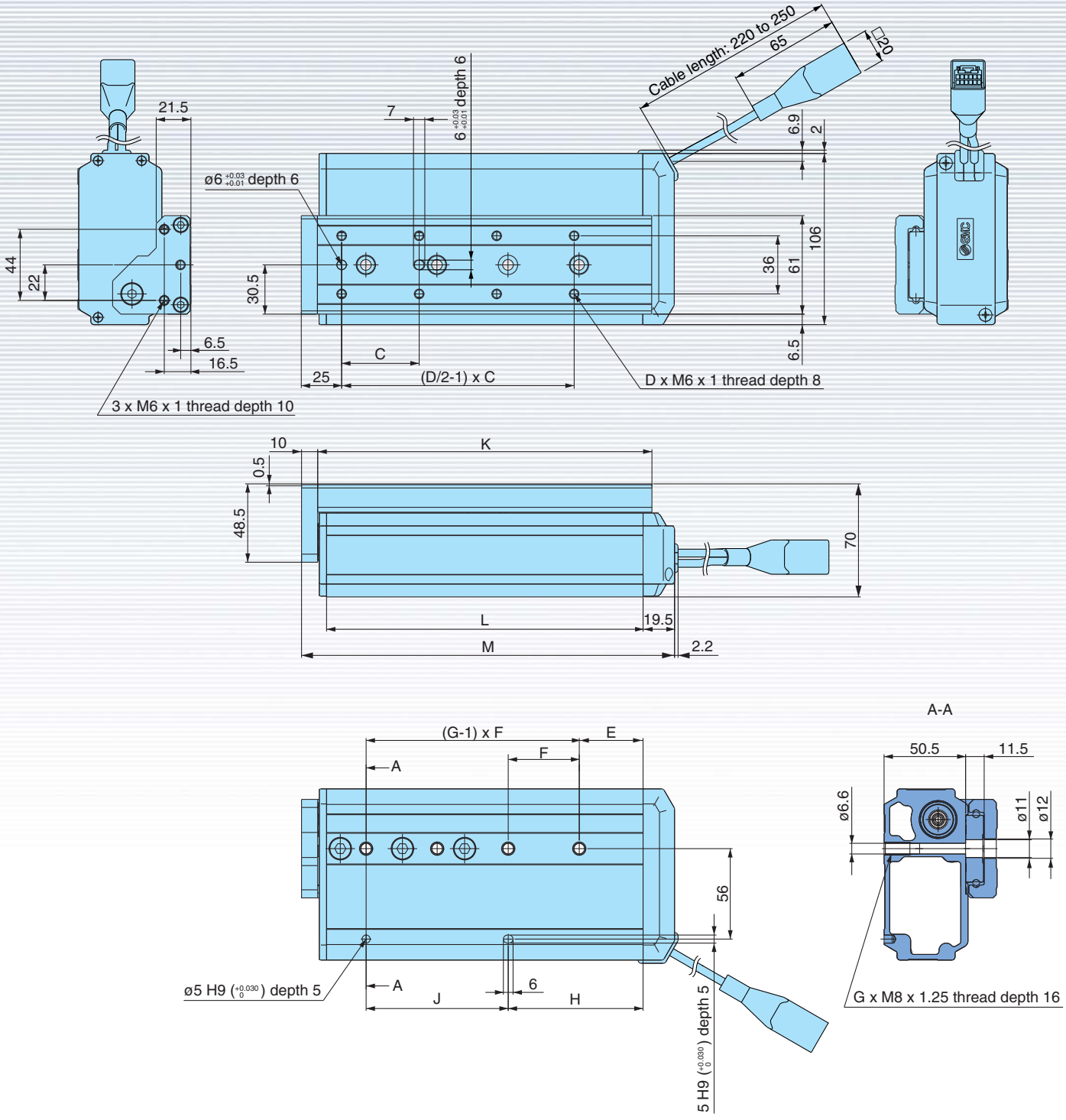
LES16



Model	C	D	E	F	G	H	J	K	L	M
LESHRP16-□-50□-□-□□	40	6	43	45	2	43	45	116.5	106	134.5
LESHRP16-□-100□-□-□□	44	8	31	44	4	75	88	191.5	181	209.5

Dimensions

LES25



Model	C	D	E	F	G	H	J	K	L	M
LESHRP25-□-50□-□-□□	75	4	27.5	80	2	27.5	80	143	132	167
LESHRP25-□-100□-□-□□	48	8	39.5	44	4	83.5	88	207	196	231
LESHRP25-□-150□-□-□□	65	8	51.5	66	4	117.5	132	285	274	309

Controller Part Numbers

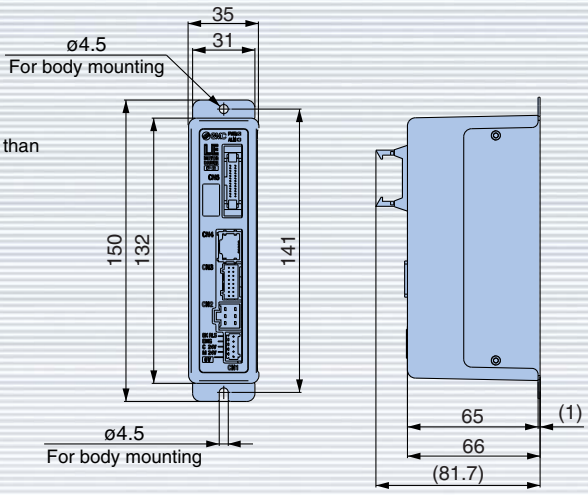
LECP6 □ □ – □

- **Actuator model** (Should be no larger than the stroke part no.)
- **I/O cable length**

Nil	NA
1	1.5 m
3	3 m
5	5 m

- **I/O type**

N	NPN
P	PNP



Controller Specifications

Model		LECP6
Controlled motor		Stepper motor with encoder
Controlled encoder		Incremental type
Rated power supply specifications		24 VDC ±10%, 3A (Controlled power source, dynamic power source included) Note)
Positioning pattern outputs		64 points
Parallel I/O	No. of inputs	11 inputs (Photo coupler insulation)
	No. of outputs	13 outputs (Photo coupler insulation)
Serial communication		RS485 compliant (Modbus protocol compliant)

Note) Power consumption varies depending on the actuator size. Refer to Table 1.

Table 1

Series	Size	Driving mechanism	Guide type	Power consumption (W)		Stepper motor with encoder	
				Max.	Standby	Motor	Encoder (Angle displacement sensor)
LES	**8**	Slide screw + Belt bending	Linear guide (No circulation)	20	5	HB type 2-phase stepper motor (Unipolar wiring)	Incremental A/B phase (800 pulses/cycle)
	16			43	17		
	25			67	17		

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