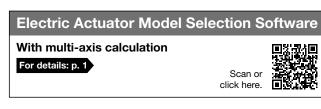




Compatible Controllers/Drivers <For single axis>



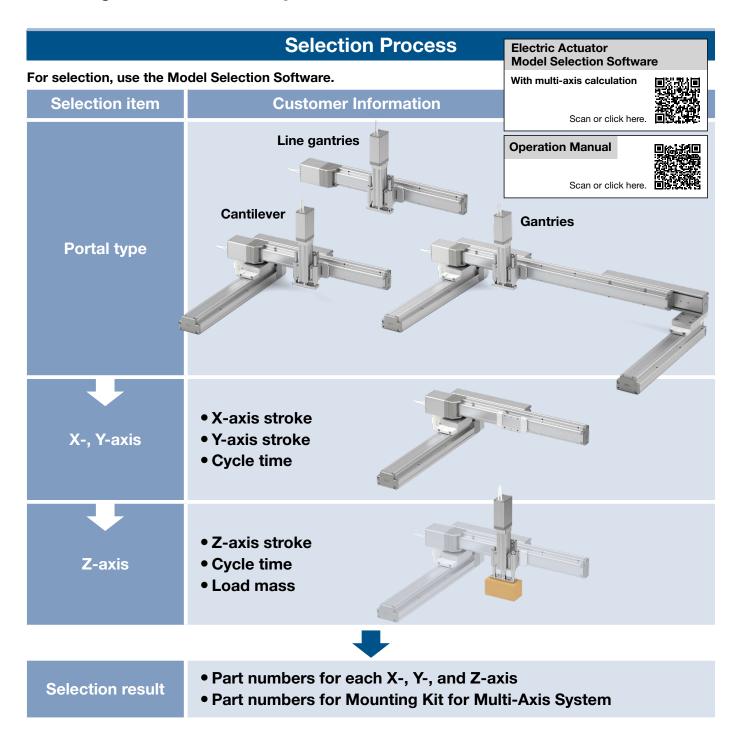








Mounting Kit for Multi-Axis System LEA Series



From Selection to Shipment

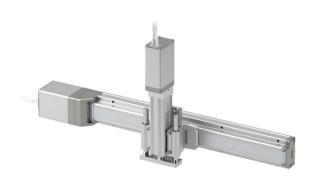


* Order the actuator separately.

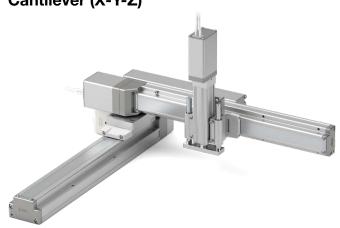
1

LEA Series X-Y-Z Unit Construction

Line gantries (Y-Z)



Cantilever (X-Y-Z)



Application Examples

			Example 1	Example 2
Y-axis	Type	LEF16	LEF40	
	1-axis	Stroke [mm]	500	1000
Actuator	Actuator Z-axis	Type	LEYG16	LEYG16
Z-axis	Stroke [mm]	100	200	

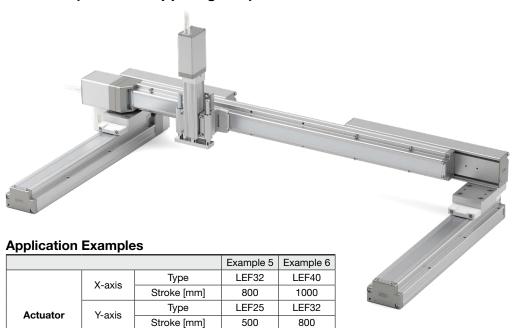
Application Examples

			Example 3	Example 4
	X-axis	Type	LEF25	LEF40
		Stroke [mm]	800	1000
Actuator	V avia	Type	LEF16	LEF32
Actuator	Actuator Y-axis	Stroke [mm]	500	500
Z-axis	Туре	LEYG16	LEYG25	
Z-axis		Stroke [mm]	100	300

Gantries (X-Y-Z + Support guide)

Z-axis

Stroke [mm]



LEYG16

100

LEYG25

300

List of Combination Sizes

X-Y axis combination		Y-axis			
λ-1 a)	ds combination	LE(K)F□16	LE(K)F□25	LE(K)F□32	LE(K)FS40
	LE(K)FS16	•			
X-axis	LE(K)FS25	•	•		
A-axis	LE(K)FS32	•	•	•	
	LE(K)FS40	•	•	•	•

Y-Z axis combination		Z-axis	
		LEYG16	LEYG25
	LE(K)F□16	•	
Y-axis	LE(K)F□25	•	•
	LE(K)F□32	•	•
	LE(K)F□40	•	•

Compatible Actuators

X-Y-axis

LEFS Ball screw drive

OLEFS Series

Drive method	Motor type	Product no.	Web
	Step motor	LEFS16□	
		LEFS25□	
	(Servo 24 VDC)	LEFS32□	
		LEFS40□	
	Servo motor	LEFS16□A	
	(24 VDC)	LEFS25□A	
	Battery-less	LEFS16□E	
	absolute	LEFS25□E	
	(Step motor 24	LEFS32□E	
D-11	VDC)	LEFS40□E	
Ball	High	LEFS16□F	
Joiew	performance	LEFS25□F	
	(Step motor 24	LEFS32□F	
	VDC)	LEFS40□F	
	High performance	LEFS16□G	
	Battery-less absolute	LEFS25□G	
	(Step motor 24 VDC)	LEFS32□G	
	*1	LEFS40□G	
	10	LEFS25 [S2/T6/V6]	
	AC servo motor (100/200 VAC)	LEFS32□ [S3/T7/V7]	
	(100/200 VAC)	LEFS40 [S4/T8/V8]	自教燃料
*1 Acceleration/deceleration needs to be equal to or			

^{*1} Acceleration/deceleration needs to be equal to o less than 3000 [mm/s²].

Z-axis



OLEYG Series

Drive method	Motor type	Product no.	Web
	Step motor	LEYG16□	
	(Servo 24 VDC)	LEYG25□	
Ball	Battery-less absolute	LEYG16□E	
screw	(Step motor 24 VDC)	LEYG25□E	
	AC servo motor (100/200 VAC)	LEYG25□ [S2/T6/V6]	

OLEFB Series



Motor type	Product no.	Web
Step motor	LEFB16	
	LEFB25	
(36170 24 700)	LEFB32	
Servo motor	LEFB16A	画数模型
(24 VDC)	LEFB25A	
Rattery-less	LEFB16E	
absolute	LEFB25E	
(Step motor 24 VDC)	LEFB32E	画線網絡
	LEFB25 [S2/T6/V6]	网络学系网
	LEFB32 [S3/T7/V7]	
(100/200 VAC)	LEFB40 [S4/T8/V8]	回點們點
	Step motor (Servo 24 VDC) Servo motor (24 VDC) Battery-less absolute	Step motor (Servo 24 VDC)

^{*} The LEFB series cannot be used on X-axis.

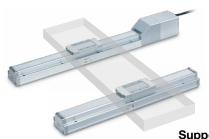
OLEKFS Series



Drive method	Motor type	Product no.	Web
	Battery-less	LEKFS16□E	
	absolute	LEKFS25□E	
	(Step motor 24 VDC)	LEKFS32□E	
		LEKFS40□E	
Ball	High performance	LEKFS25□G	
screw	Battery-less absolute	LEKFS32□G	
	(Step motor 24 VDC)*1	LEKFS40□G	月沙晚報
	AC servo motor (100/200 VAC)	LEKFS25□ [S2/T6/V6]	
		LEKFS32□ [S3/T7/V7]	
		LEKFS40□ [S4/T8/V8]	

^{*1} Acceleration/deceleration needs to be equal to or less than 3000 [mm/s²].

[Support guide] for gantry



LEFG Series [Support guide]

Туре	Series	Web
	LEFG16-S	
Support guide for	LEFG25-S	
ball screw drive actuator	LEFG32-S	
	LEFG40-S	

LEFG Support guide for ball screw drive actuator

^{*} Scan or click the QR code.

Controllers for SMC Actuators

Step Motor Controller Battery-less Absolute (Step Motor 24 VDC)



JXC51/61



EtherNet/IP



JXCE1 EtherCAT.



PROFI



JXCD1 DeviceNet*



IO-Link



JXCM1 CC-Link

- Direct communication with the control and transfer of numerical data due to communication with a high transfer rate (10/100 Mbps)
- Dual-port connection (IN and OUT) makes it possible to construct linear and DLR topologies: Less cabling

Redundant communication in DLR Easy to identify the splitting point

■ Parametrization using software or teaching box

Scan or click here for details.



AC Servo Motor Drivers

AC Servo Motor



LECSA



LECSB-T



LECSC-T CC-Link



LECSS-T SSCNETIII/H



LECYM MECHATROLINK-I



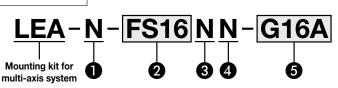
Scan or click here for details.



Electric Actuator Mounting Kit for Multi-Axis System LEA Series

How to Order







1 X-axis

Symbol	Model
N	None

3 Y-axis mounting direction

Symbol	Operating range
N	None

4 Y-axis bracket

• • • • • • • • • • • • • • • • • • • •	
Symbol	Model
N	None

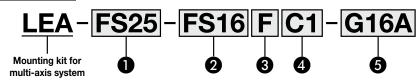
2 Y-axis

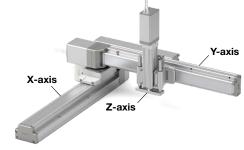
Symbol	Model and motor type
FS16	LEFS16
KS16	LEKFS16
FS25	LEFS25 / LEKFS25
FS32	LEFS32 / LEKFS32
FS40	LEFS40 / LEKFS40
B16T	LEFB16 [_/A/E]
B25T	LEFB25 [_/A/E]
B25S	LEFB25 [S2/T6/V6]
B32T	LEFB32 [_/E]
B32S	LEFB32 [S3/T7/V7]
B40S	LEFB40 [S4/T8/V8]

5 Z-axis

Symbol	Model	Stroke		
G16A	LEYG16	30 to 200		
G25A	LEYG25	30		
G25B	LETG25	50 to 300		

Cantilever





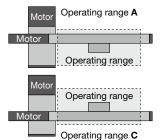
1 X-axis

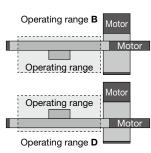
Symbol	Model			
FS16	LEFS16			
KS16	LEKFS16			
FS25	LEFS25 / LEKFS25			
FS32	LEFS32 / LEKFS32			
FS40	LEFS40 / LEKFS40			

3 Y-axis mounting direction

Symbol	Operating range
F	A, D
R	B, C

 Refer to the figures on the right for the operating range.





2 Y-axis

Symbol	Model and motor type
FS16	LEFS16
FS25	LEFS25
FS32	LEFS32
FS40	LEFS40
B16T	LEFB16 [_/A/E]
B25T	LEFB25 [_/A/E]
B25S	LEFB25 [S2/T6/V6]
B32T	LEFB32 [_/E]
B32S	LEFB32 [S3/T7/V7]

The LEKFS cannot be used for cantilevers.

5 Z-axis

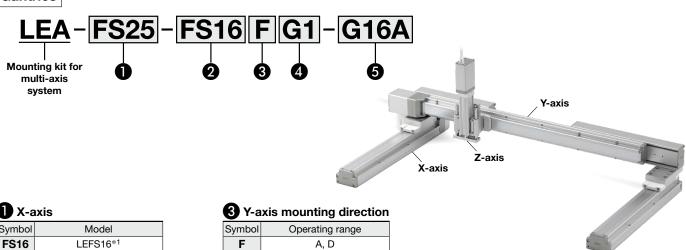
Symbol	bol Model Strok				
N	None				
G16A	LEYG16	30 to 200			
G25A	LEVOOF	30			
G25B	LEYG25	50 to 300			

4 Y-axis bracket

	2 Y-axis	3 Y-	3 Y-axis mounting direction: F				3 Y-axis mounting direction: R			
Symbol	Stroke	X-axis: FS16 KS16	1 X-axis: FS25	1 X-axis: FS32	1 X-axis: FS40	1 X-axis: FS16 KS16	1 X-axis: FS25	1 X-axis: FS32	1 X-axis: FS40	
FS16	50	C	1	С	3	C	5	C	7	
F310	100 to 500	C	2	C	4	C	6	C	8	
FS25	50		C1		3		C5	C 7		
F323	100 to 800	C2		C4		C6		C8		
FS32	50 to 1000			C1				C2		
FS40	150 to 1200				C1				C2	
B16T	300 to 1000	C	1	C2		C3		C4		
B25T	300 to 2000		C1	C	2		СЗ	C	4	
B25S	300 to 2000		C5	С	C6		C7	С	8	
B32T	300 to 2000			C	C1				C2	
B32S	300 to 2500			C	3			С	4	

How to Order

Gantries



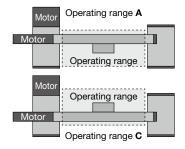
1 X-axis

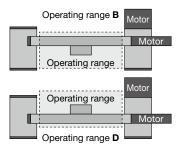
Symbol	Model
FS16	LEFS16*1
FS25	LEFS25 / LEKFS25
FS32	LEFS32 / LEKFS32
FS40	LEFS40 / LEKFS40

*1 Not compatible with LEKFS16

Symbol	mbol Operating range			
F	A, D			
R	B, C			

* Refer to the figures below for the operating range.





2 Y-axis

Symbol	Model and motor type
FS16	LEFS16
KS16	LEKFS16
FS25	LEFS25 / LEKFS25
FS32	LEFS32 / LEKFS32
FS40	LEFS40 / LEKFS40
B16T	LEFB16 [_/A/E]
B25T	LEFB25 [_/A/E]
B25S	LEFB25 [S2/T6/V6]
B32T	LEFB32 [_/E]
B32S	LEFB32 [S3/T7/V7]

5 Z-axis

Symbol	Model Stroke					
N	None					
G16A	LEYG16	30 to 200				
G25A	LFYG25	30				
G25B	LETG25	50 to 300				

4 Y-axis bracket

2 Y-axis 3 Y-axis mounting direction: F 3 Y-axis mounting direction: F								otion. D	
9 Y	-axis								
0	*1	0	0	0	0	0	0	0	0
Symbol	Stroke	X-axis: FS16	l .		x-axis: FS40	FS16		X-axis:	
	000	F316	FS25	FS32	F340	F310	FS25	FS32	FS40
	300		G					13	
FS16	350			2		G4			
KS16	400		G					3	
	450			i2				i4	
_	500	,	G			ļ ,		i3	
	300	/	G1	- 6	ì1	- /	G3		i3
	350	/	G2	G	i 2	/	G4	G	i4
	400 450	/	G1		i1		G3		i3
		/	G2		i2	/			i4
FS25	500 550*2	/	GZ		1 <u>2</u> 11	/	G4		1 4 13
F323	600	/	G1	- 6	!!	} /	G3		13
	650*2	/	G2			/	G4	-	
	700	/	G2 G1	G	i2	/	G3	G	i4
	750*2		G2				G4		
	800	/	G1		i1		G3		i3
	350		_ G i	- 6		1	L GS	- 6	io .
	400		/	G	ì1		/	G	i3
	450			G2				-	2/1
	500			G2				G4	
	550*2			G1				G3	
	600			G2				G4	
	650*2			G2				G-4	
FS32	700	/	/	G1		/		G3	
	750*2	/		G2		1 /		G4	
	800	/						-	
	850*2	/		G1				G3	
	900	/		G2				G4	
	950*2					/			
	1000			G1		/		G3	
	350				1	ĺ			
	400			/	G1			/	G3
	450				G2	1		/	G4
	500								
	550*2			/	G1			/	G3
	600		/	/	G2		,	/	G4
	650*2		/		C4		/		00
EC 40	700		/		G1				G3
FS40	750*2				G2				G4
	800				G1				G3
	850*2	,	/		GI] ,	/		GS
	900	/			G2				G4
	950*2	/				/			
	1000				G1				G3
	1100					/			
	1200				G2	<u>/</u>			G4
. 4 ^ _ 1		مساح مالحان			مثا ممما				مال مال

^{*1} Actuators with strokes less than those listed cannot be used with the

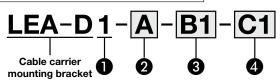
gantry.

*2 Strokes available only for the LEFS series (LEKFS is a non-standard stroke)

2 Y	-axis	Y-ax	is moun	tina dire	ction: F	® Y-ax	is moun	tina dire	ction: R
		0	0	0	0	0	0	0	0
Symbol	*1	_	X-axis:	_	X-axis:	_	X-axis:	_	X-axis:
Cymbol	Stroke	FS16	FS25	FS32	FS40	FS16	FS25	FS32	FS40
	500				i1		i3		3
	600	G1 G2				_	i4		
	700		G2		i2			C	4
B16T	800	G	i 1	G		G	i3		i3
	900	G	i2			G	i4		
	1000	G		G	i2		i3	C	i4
	500	— 7	G2			— 7	G4		
	600	/	G1	G	i2	/	G3	G	i4
	700	/				/			
	800	/	G2	G	i2	/	G4	C	i4
	900	/	G1		i1	/	G3		i3
B25T	1000	/			2	/			i4
	1200	/	G2			/	G4		
	1500	/				/			
	1800	1/	G1	G	2	/	G3	G	4
	2000	/	G2			/	G4		
	400		G1	G	i1		G3	G	i3
	500		G2				G4		
	600	1 /	G1	G	i2		G3	G	4
	700	1 /							
	800		G2	G	i2		G4	G	i4
	900		G1		i1		G3		i3
	1000		G2		i2	1 /	G4	G	i4
	1100		G1	G	ì 1	1 /	G3		i3
B25S	1200	1 /	G2			1 /	G4		
	1300	1 /	G1	G	2		C2	G	4
	1400	1 /	GI	G	ì 1	1 /	G3	G	i3
	1500		G2	G	2	1 /	G4	G	4
	1600		G1	G	i1] /	G3	G	i3
	1700] /	G2] /	G4		
	1800		G1	G	2]/	G3	G	i4
	1900					<i> </i>			
	2000	/	G2		i2	/	G4		i4
	500			G			/		i3
	600		/		i2		/		ì4
	700			G					13
	800				i2				i4
B32T	900	,	/	G	i1	,	/	G	i3
	1000	/		G	i2	/		G	i4
	1200	/				/			
	1500	/		G	ì 1	/		G	i 3
	1800	/		G	i 2	/		G	4
	2000	/				/			
	500		/		1		/		3
	600				2				14
	700				i1 i2				3
	800								i4
	900				1				3
	1000				i2 i1				i4 i3
	1100 1200				i2				i3 i4
B32S					i <u>z</u> i1				14 13
D020	1300 1400	/			i2	/			i3 i4
	1500				i <u>z</u> i1	/			14 13
	1600				i2				i3 i4
	1700				i2 i1				14 13
	1800				i2				i4
	1900				i2 i1				1 4 13
	2000				i2				i4
	2500	/		G		/			1 4 13
		У				V			

How to Order



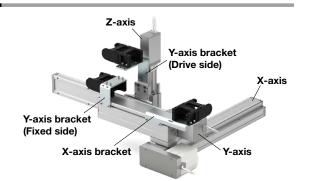


Compatible manufacturer and series

Symbol	Manufacturer	Series
1	igus	E4.28

2 X-axis bracket

Symbol	Yes/No
N	No
Α	Yes



Y-axis bracket (Fixed side)

	,						
C. was la a l		Y-a	ixis				
Symbol	FS16/KS16/B16T	FS25/B25T/B25S	FS32/B32T/B32S	FS40			
N	_	_	_	_			
B1	•	_	_	_			
B2	_	•	•	•			

4 Y-axis bracket (Drive side)

Symbol		Y-a	axis	
Symbol	FS16/KS16/B16T	FS25/B25T/B25S	FS32/B32T/B32S	FS40
N	_	_	_	_
C1	•	•	_	_
C2	_	_	•	•

Cable Carrier Design Support

The cable carrier mounting bracket does not include a cable carrier, so please prepare it yourself.

Please use the igus E4.28 series energy chains for the cable carrier.

https://www.igus.co.jp

For X-axis: E4.28.040.R or E4.28.050.R

For Y-axis: E4.28.040.R

For the length and number of links of the cable carrier, please check the igus website.

For the offset amount required for selection, please refer to the following.

to the following.

●About the offset amount of the fixed end

The offset amount of the X-axis depends on the device to be installed, so please select it yourself.

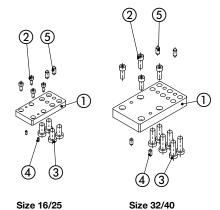
Calculate the offset amount of the Y-axis using the table on the right.

X-axis size	Y-axis size	F	G
16		142.5	38.5 + (Stroke + 80)
25	16	142.0	2
32	10	118.5	38.5 + (Stroke + 80)
40		110.0	2
25		167.5	38.5 + (Stroke + 110)
	25		2
32		143.5	38.5 + (Stroke + 110)
40		1 10.0	2
32	32 200.5	200.5	38.5 + (Stroke + 130)
40	J2	200.0	2
40	40	194.5	38.5 + (Stroke + 178) 2

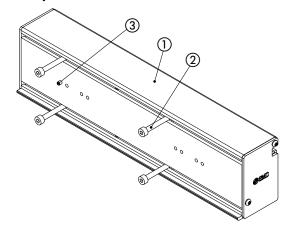


Component Parts

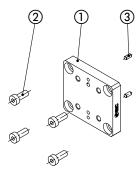
1) X fixing plate



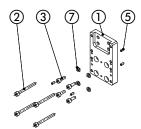
2) Boom profile



3) Y fixing plate



4) Z adapter plate



* Refer to the operation manual for assembly procedures.

Parts List

No.	Description	Qty.	X-axis*1
1	X fixing plate	1	
2	Hexagon socket head cap screw	4	
3	Hexagon socket thin head cap	4	FS16/KS16 FS25
	SCIEW	6	FS32/FS40
4	Parallel pin	2	
5	Parallel pin	2	

^{*1} Refer to the "How to Order" section.

Parts List

Ī	No.	Description	Qty.
	1	Boom profile	1
	2	Hexagon socket head cap screw	4
	3	Parallel pin	1

Parts List

No.	Description	Qty.	Y-axis*1
1	Y fixing plate	1	F00F /F000 /F0 40 /P0FT /
2	Hexagon socket thin head cap screw	4	FS25/FS32/FS40/B25T/ B25S/B32T/B32S/B40S
3	Parallel pin	2	D200/ D02 1/ D020/ D400

^{*1} Refer to the "How to Order" section.

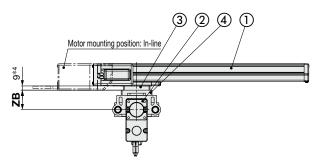
Parts List

No.	Description	Qty.	Y-axis*1
1	Z adapter plate	1	
2	Hexagon socket head cap screw	4	
	Hexagon socket head cap screw	4	FS16/KS16/B16T
3	Hexagon socket thin head cap screw	4	FS25/FS32/FS40/B25T/ B25S/B32T/B32S
	Parallel pin	4	FS16/KS16/B16T
5		2	FS25/FS32/FS40/B25T/ B25S/B32T/B32S/B40S
	Parallel pin	_	FS16/KS16/B16T
6		2	FS25/FS32/FS40/B25T/ B25S/B32T/B32S/B40S
		4	FS16/KS16/B16T
7	Flat washer	-	FS25/FS32/FS40/B25T/ B25S/B32T/B32S/B40S

^{*1} Refer to the "How to Order" section.

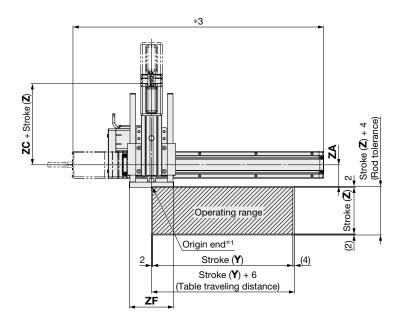


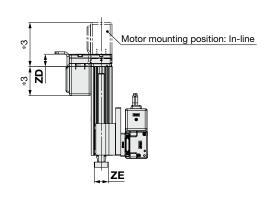
Dimensions: Line Gantries

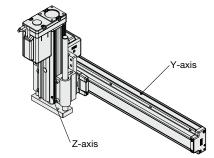


D	D		
Parts Parts	L)es	crii	ntion

No	Э.	Part no.	Description	Qty.	Note
1		LE(K)FS, LEFB series	Y-axis actuator	1	Order separately.*2 *3
2	2	LEYG series	Z-axis actuator	1	Order separately.*2 *3
3	}		Y fixing plate	(1)	Size 25, 32, 40*4
4			Z adapter plate	1	







- *1 This diagram shows the position of the "origin end" (0 mm) at the time of shipment from the factory. When the direction for return to origin needs to be changed to opposite side, refer to the catalog for the selected model.
- *2 This product does not include an actuator. Order it separately.
- *3 For the actuator dimensions, refer to the catalog for the selected model.
- *4 For Y-axis size 16, ③ Y fixing plate is not used.
- * For LE(K)FS25□G (motor mounting position: parallel) and LE(K)FS32 (motor mounting position: parallel), a "table spacer" is attached to the table mounting surface. It must be removed when assembling.
- * Select each axis using the Model Selection Software.

Y-Z Axis Combinations

Y-axis size	Z-axis size		
r-axis size	16	25	
16	0	_	
25	0	0	
32	0	0	
40	0	0	

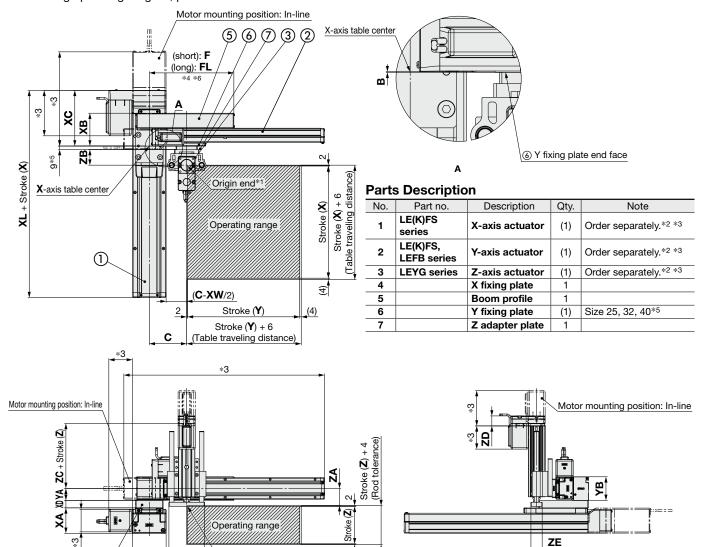
Z-Axis Dimensions

Z-axis s				ZC				
	Z-axis size	ZA	ZB	Z-axis stroke		ZD	ZE	ZF
				100 or less	105 or more			
	16	37	35.8	47.5	67.5	22.5	25	79
	25	46	41.8	67	92	26.5	30	95
				47.5	67.5	22.5		



Dimensions: Cantilever (Operating range A)

When using operating range B, please reverse the orientation of the Y-axis actuator.



*1 This diagram shows the position of the "origin end" (0 mm) at the time of shipment from the factory. When the direction for return to origin needs to be changed to opposite side, refer to the catalog for the selected model.

Origin end*1

- *2 This product does not include an actuator. Order it separately.
- *3 For the actuator dimensions, refer to the catalog for the selected model.

ZF

- *4 When the Y-axis stroke is 50, please note that (5) the boom profile will be longer than the Y-axis actuator.
- *5 For shaft size 16, 6 the Y fixing plate is not used.

4

- *6 F (short) and FL (long) vary depending on the selected model.
- * For LE(K)FS25 G (motor mounting position: parallel) and LE(K)FS32 (motor mounting position: parallel), a "table spacer" is attached to the table mounting surface. It must be removed when assembling.
- Select each axis using the Model Selection Software.

X-Y Axis Combination Dimensions

X-axis size	Y-axis size	В	С	F	FL
16	16	18.5	76	216	_
25	16	5	76	216	_
25	25	15	88	238	_
	16	2	88	204	248*2
32	25	12	100	226	306*2
	32	27	114	286	_
	16	-9.5* ¹	88	204	248*2
40	25	0.5	100	226	306*2
40	32	15.5	114	286	_
	40	24.5	114	257	_

^{*1} Represents the opposite direction

X-Axis Dimensions

/ / Duic						
X-axis size	XA	XB	XC	XD	XL	XW
16	40	59.5	66.5	10	116.5	40
10	(43.5)* ³	39.3	00.5	10	110.5	40
25	48	73	92.5	12	160.5	58
32	60	76	117	16	195	70
40	68	87.5	148.4	20	253.4	90

^{*3} For LEKFS16

Y-axis size	YA	YB
16	22	44
25	32	63
32	38	75
40	48	95

Y-Axis Dimensions Z-Axis Dimensions

7			Z	С			
Z-axis size		ZB	Z-axis stroke		ZD	ZE	ZF
SIZE			100 or less	105 or more			
16	37	35.8	47.5	67.5	22.5	25	79
25	46	41.8	67	92	26.5	30	95

X-axis



Y-axis

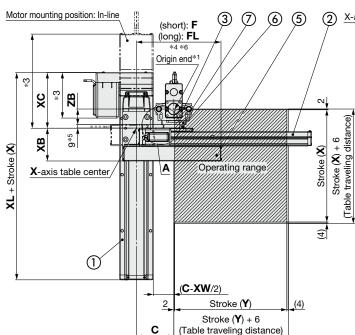
Z-axis

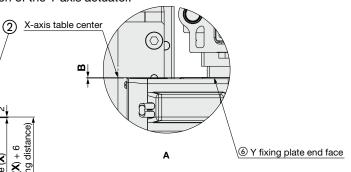
^{*2} Y-axis LEFB case

LEA Series

Dimensions: Cantilever (Operating range C)

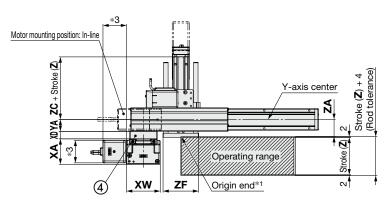
When using operating range D, please reverse the orientation of the Y-axis actuator.

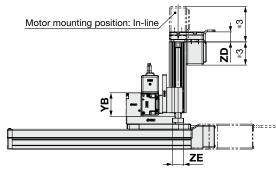




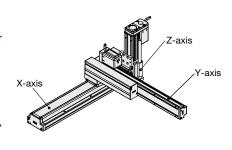
Parts Description

No.	Part no.	Description	Qty.	Note
1	LE(K)FS series	X-axis actuator	(1)	Order separately.*2 *3
2	LE(K)FS, LEFB series	Y-axis actuator	(1)	Order separately.*2 *3
3	LEYG series	Z-axis actuator	(1)	Order separately.*2 *3
4		X fixing plate	1	
5		Boom profile	1	
6		Y fixing plate	(1)	Size 25, 32, 40*5
7		Z adapter plate	1	





- *1 This diagram shows the position of the "origin end" (0 mm) at the time of shipment from the factory. When the direction for return to origin needs to be changed to opposite side, refer to the catalog for the selected model.
- *2 This product does not include an actuator. Order it separately.
- *3 For the actuator dimensions, refer to the catalog for the selected model.
- *4 When the Y-axis stroke is 50, please note that (§) the boom profile will be longer than the Y-axis actuator.
- *5 For shaft size 16, 6 the Y fixing plate is not used.
- *6 F (short) and FL (long) vary depending on the selected model.
- * For LE(K)FS25 (motor mounting position: parallel) and LE(K)FS32 (motor mounting position: parallel), a "table spacer" is attached to the table mounting surface. It must be removed when assembling.
- * Select each axis using the Model Selection Software.



X-Y Axis Combination Dimensions

X-axis size	Y-axis size	В	С	F	FL
16	16	18.5	76	216	_
25	16	5	76	216	_
25	25	15	88	238	_
	16	2	88	204	248*2
32	25	12	100	226	306*2
	32	27	114	286	_
	16	-9.5* ¹	88	204	248*2
40	25	0.5	100	226	306*2
40	32	15.5	114	286	_
	40	24.5	114	257	_

^{*1} Represents the opposite direction

X-Axis Dimensions

7 7	T AXIS DIFFICUSIONS									
X-axis size	XA	XB	XC	XD	XL	XW				
16	40 (43.5)*3	59.5	66.5	10	116.5	40				
25	48	73	92.5	12	160.5	58				
32	60	76	117	16	195	70				
40	68	87.5	148.4	20	253.4	90				

^{*3} For LEKFS16

Y-Axis Dimensions

i Axio		1310113
Y-axis size	YA	YB
16	22	44
25	32	63
32	38	75
40	48	95

Z-Axis Dimensions

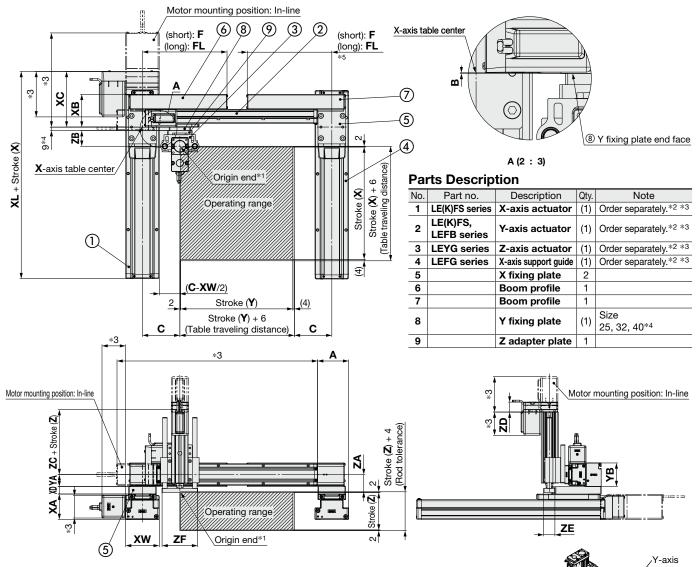
7			Z	С			
	Z-axis size ZA Z		Z-axis stroke		ZD	ZE	ZF
SIZE			100 or less	105 or more			
16	37	35.8	47.5	67.5	22.5	25	79
25	46	41.8	67	92	26.5	30	95



^{*2} Y-axis LEFB case

Dimensions: Gantries (Operating range A)

When using operating range B, please reverse the orientation of the Y-axis actuator.



- *1 This diagram shows the position of the "origin end" (0 mm) at the time of shipment from the factory. When the direction for return to origin needs to be changed to opposite side, refer to the catalog for the selected model.
- *2 This product does not include an actuator. Order it separately.
- *3 For the actuator dimensions, refer to the catalog for the selected model.
- *4 For Y-axis size 16, ® Y fixing plate is not used.
- *5 F (short) and FL (long) vary depending on the selected model.
- * For LE(K)FS25□G (motor mounting position: parallel) and LE(K)FS32 (motor mounting position: parallel), a "table spacer" is attached to the table mounting surface. It must be removed when assembling.
- * Select each axis using the Model Selection Software.

X-Y Axis Combination Dimensions

V avia	X-axis Y-axis	/-avie A						
		Y	-axis a	ctuator	В	С	F	FL
SIZE	SIZE	LE(K)FS	LEFB	LEFB (AC servo)				
16	16	52	-3*1	_	18.5	76	216	260
25	16	61	6	_	5	76	216	260
25	25	55	-2*1	-2*1	15	88	238	318
	16	79	24	_	2	88	204	248
32	25	73	16	16	12	100	226	306
	32	77	18	23	27	114	286	376
	16	89	34	_	-9.5* ¹	88	204	248
40	25	83	26	26	0.5	100	226	306
40	32	87	28	33	15.5	114	286	376
	40	60	_	_	24.5	114	257	307

^{*1} Represents the opposite direction

X-Axis Dimensions

X-axis size	XA	ХВ	XC	XD	XL	XW
16	40	59.5	66.5	10	116.5	40
25	48	73	92.5	12	160.5	58
32	60	76	117	16	195	70
40	68	87.5	148.4	20	253.4	90

T-AXIS DIMENSIONS							
Y-axis size	YA	YB					
16	22	44					
25	32	63					
32	38	75					
40	48	95					

-Axis Dimensions Z-Axis Dimensions

X-axis

7 avia			Z	C			
Z-axis	size ZA ZB		Z-axis	stroke	ZD	ZE	ZF
3126			100 or less	105 or more			
16	37	35.8	47.5	67.5	22.5	25	79
25	46	41.8	67	92	26.5	30	95

Z-axis

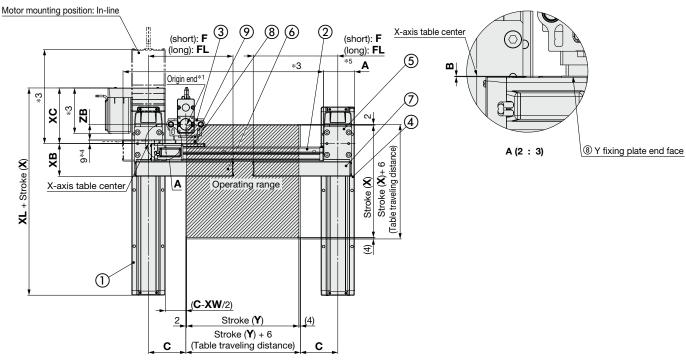


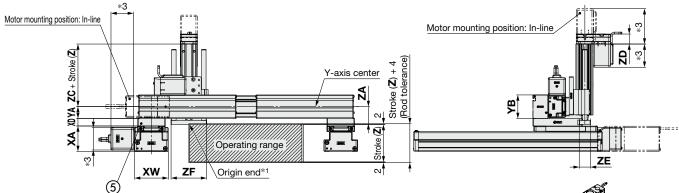
Support guide

LEA Series

Dimensions: Gantries (Operating range C)

When using operating range D, please reverse the orientation of the Y-axis actuator.





- *1 This diagram shows the position of the "origin end" (0 mm) at the time of shipment from the factory. When the direction for return to origin needs to be changed to opposite side, refer to the catalog for the selected model.
- *2 This product does not include an actuator. Order it separately.
- *3 For the actuator dimensions, refer to the catalog for the selected model.
- *4 For Y-axis size 16, (8) Y fixing plate is not used.
- *5 F (short) and FL (long) vary depending on the selected model.
- * For LE(K)FS25□G (motor mounting position: parallel) and LE(K)FS32 (motor mounting position: parallel), a "table spacer" is attached to the table mounting surface. It must be removed when assembling.
- * Select each axis using the Model Selection Software.

X-Y Axis Combination Dimensions

Varia	V avia	A				С	F	FL
X-axis Y-a		Y-axis actuator			В			
	Size	LE(K)FS	LEFB	LEFB (AC servo)				
16	16	52	-3*1	_	18.5	76	216	260
25	16	61	6	_	5	76	216	260
25	25	55	-2*1	-2*1	15	88	238	318
	16	79	24	_	2	88	204	248
32	25	73	16	16	12	100	226	306
	32	77	18	23	27	114	286	376
	16	89	34	_	-9.5* ¹	88	204	248
40	25	83	26	26	0.5	100	226	306
	32	87	28	33	15.5	114	286	376
	40	60	_	_	24.5	114	257	307

^{*1} Represents the opposite direction

Y-Axis Dimensions

V-WIS	A-AXIS DIFFICUSIONS									
X-axis size	XA	ХВ	XC	XD	XL	XW				
16	40	59.5	66.5	10	116.5	40				
25	48	73	92.5	12	160.5	58				
32	60	76	117	16	195	70				
40	60	07.5	1/0/	20	252.4	00				

X-axis

1-AXIS DIIIIEIISIUIIS							
Y-axis size	YA	YB					
16	22	44					
25	32	63					
32	38	75					
40	48	95					

Y-Axis Dimensions Z-Axis Dimensions

Z-axis size ZA ZB			Z	С			
		Z-axis	stroke	ZD	ZE	ZF	
3126			100 or less	105 or more			
16	37	35.8	47.5	67.5	22.5	25	79
25	46	41.8	67	92	26.5	30	95

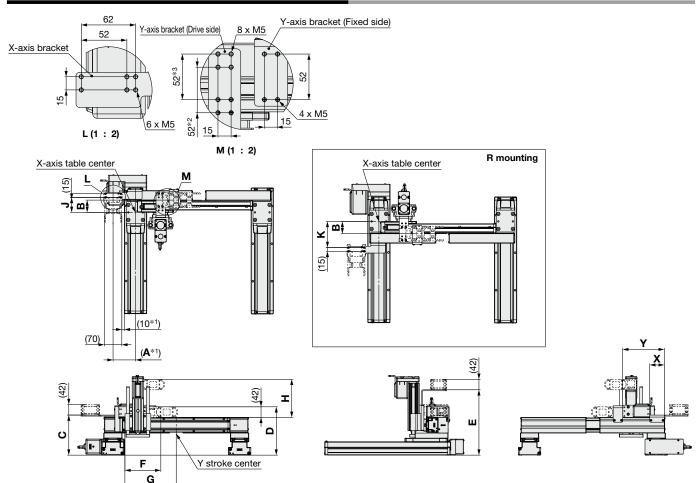
Z-axis

Y-axis

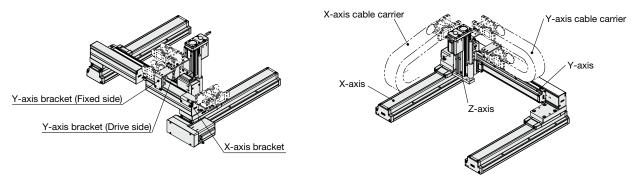
Support guide



Dimensions: Cable Carrier Mounting Bracket



- *1 This mounting dimension is the recommended value when using the energy chain (igus GmbH) E4.28.050.R.0 for the X-axis and E4.28.040.055.0 for the Y-axis.
- *2 Y-axis size: The mounting position for 16 and 32.
- *3 Y-axis size: The mounting position for 25 and 40.
- * This product does not include an actuator, mounting kit for multi-axis system, and cable carrier. Order them separately.
- * For the Y-axis size 16, a spacer should be used for mounting the Y-axis bracket (fixed side).
- * The bending radius of the X-axis cable carrier: R should be selected by the customer.
- * For the calculation of the number of links of the cable carrier, refer to page 9.



X-Y Axis Mounting Dimensions

Manufacturer	Series	X-axis size	Y-axis size	A *1	В	С	D	E	X *1	Y *1	Н
		16	16	65	25	103	140	213	71	144	161
		25	16	74	38.5	113	150	223	62	144	161
		25	25		34.5	132	169	233	02	166	152
		32	16	80	41.5	129	166	239	68	144	161
iaua	E4.28		25		37.5	148	185	249		166	152
igus E4.28	E4.∠0		32		37.5	160	197	271		227	162
			16		53	141	178	251	58	144	161
		40	25	90	49	160	197	261	58	166	152
			32		49	172	209	283	58	227	162
			40		49	192	229	293	63	202	152

⚠ Safety Instructions

These safety instructions are intended to prevent hazardous situations and/or equipment damage. These instructions indicate the level of potential hazard with the labels of "Caution," "Warning" or "Danger." They are all important notes for safety and must be followed in addition to International Standards (ISO/IEC)*1), and other safety regulations.

⚠ Danger: Danger indicates a hazard with a high level of risk which, if not avoided, will result in death or serious injury.

⚠ Warning: Warning indicates a hazard with a medium level of risk which, if not avoided, could result in death or serious injury.

Caution: Caution indicates a hazard with a low level of risk which, if not avoided, could result in minor or moderate injury.

*1) ISO 4414: Pneumatic fluid power - General rules and safety requirements for systems and their components ISO 4413: Hydraulic fluid power - General rules and safety requirements for systems and their components IEC 60204-1: Safety of machinery - Electrical equipment of machines - Part 1: General requirements ISO 10218-1: Robots and robotic devices - Safety requirements for industrial robots - Part 1:Robots

.⚠Warning

1. The compatibility of the product is the responsibility of the person who designs the equipment or decides its specifications.

Since the product specified here is used under various operating conditions, its compatibility with specific equipment must be decided by the person who designs the equipment or decides its specifications based on necessary analysis and test results. The expected performance and safety assurance of the equipment will be the responsibility of the person who has determined its compatibility with the product. This person should also continuously review all specifications of the product referring to its latest catalog information, with a view to giving due consideration to any possibility of equipment failure when configuring the equipment.

2. Only personnel with appropriate training should operate machinery and equipment.

The product specified here may become unsafe if handled incorrectly. The assembly, operation and maintenance of machines or equipment including our products must be performed by an operator who is appropriately trained

- 3. Do not service or attempt to remove product and machinery/ equipment until safety is confirmed.
 - 1. The inspection and maintenance of machinery/equipment should only be performed after measures to prevent falling or runaway of the driven objects have been confirmed.
 - 2. When the product is to be removed, confirm that the safety measures as mentioned above are implemented and the power from any appropriate source is cut, and read and understand the specific product precautions of all relevant products carefully.
 - 3. Before machinery/equipment is restarted, take measures to prevent unexpected operation and malfunction.
- 4. SMC products cannot be used beyond their specifications. They are not developed, designed, and manufactured to be used under the following conditions or environments. Use under such conditions or environments is not allowed.
 - 1. Conditions and environments outside of the given specifications, or use outdoors or in a place exposed to direct sunlight.
 - 2. Use for nuclear power, railways, aviation, space equipment, ships, vehicles, military application, equipment affecting human life, body, and property, combustion equipment, entertainment equipment, emergency shut-off circuits, press clutches, brake circuits, safety equipment, etc., and use for applications that do not conform to standard specifications such as catalogs and operation manuals.
 - 3. Use for interlock circuits, except for use with double interlock such as installing a mechanical protection function in case of failure. Please periodically inspect the product to confirm that the product is operating properly.

⚠ Caution

SMC develops, designs, and manufactures products to be used for automatic control equipment, and provides them for peaceful use in manufacturing industries.

Use in non-manufacturing industries is not allowed.

Products SMC manufactures and sells cannot be used for the purpose of transactions or certification specified in the Measurement Act of each country. The new Measurement Act prohibits use of any unit other than SI units in

Limited warranty and Disclaimer/ Compliance Requirements

The product used is subject to the following "Limited warranty and Disclaimer" and "Compliance Requirements".

Read and accept them before using the product.

Limited warranty and Disclaimer

- 1. The warranty period of the product is 1 year in service or 1.5 years after the product is delivered, whichever is first.*2) Also, the product may have specified durability, running distance or replacement parts. Please consult your nearest sales branch.
- 2. For any failure or damage reported within the warranty period which is clearly our responsibility, a replacement product or necessary parts will be provided. This limited warranty applies only to our product independently, and not to any other damage incurred due to the failure of the product.
- 3. Prior to using SMC products, please read and understand the warranty terms and disclaimers noted in the specified catalog for the particular products.
 - *2) Suction cups (Vacuum pads) are excluded from this 1 year warranty. A suction cup (vacuum pad) is a consumable part, so it is warranted for a year after it is delivered.

Also, even within the warranty period, the wear of a product due to the use of the suction cup (vacuum pad) or failure due to the deterioration of rubber material are not allowed by the limited warranty.

Compliance Requirements

- 1. The use of SMC products with production equipment for the manufacture of weapons of mass destruction (WMD) or any other weapon is strictly prohibited.
- 2. The exports of SMC products or technology from one country to another are governed by the relevant security laws and regulations of the countries involved in the transaction. Prior to the shipment of a SMC product to another country, assure that all local rules governing that export are known and followed.

↑ Safety Instructions | Be sure to read the "Handling Precautions for SMC Products" (M-E03-3) and "Operation Manual" before use.