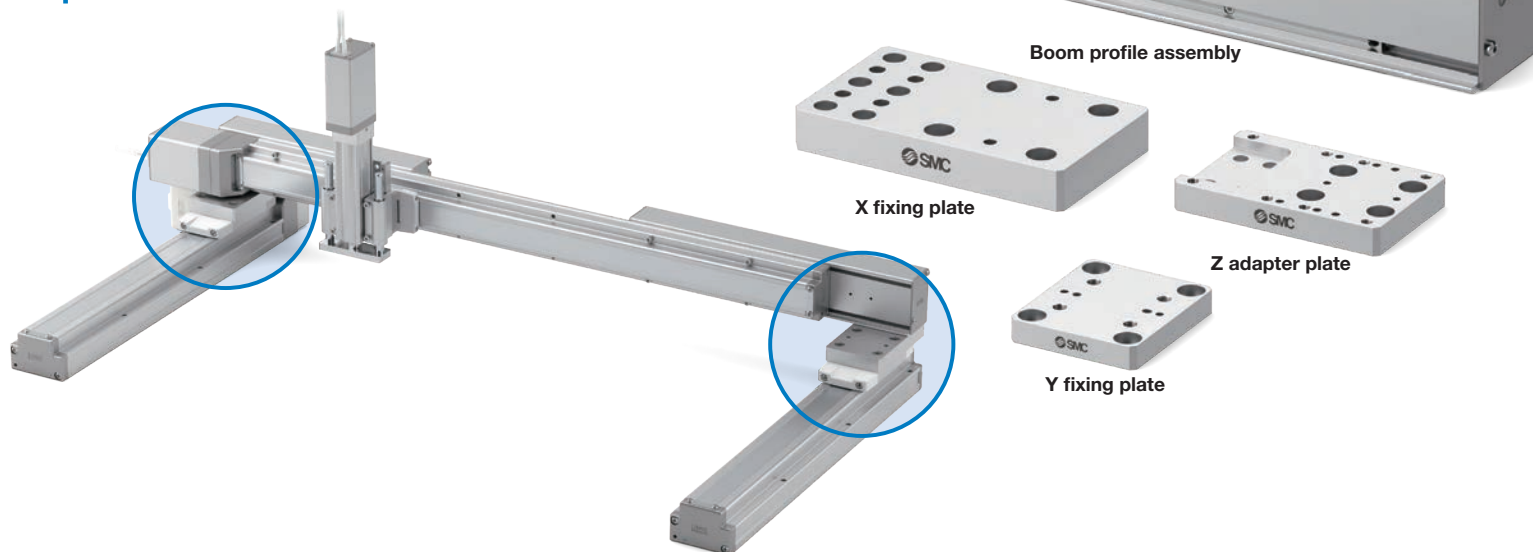


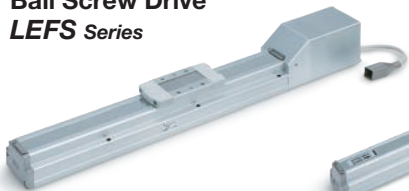
| *Creation of an XYZ unit*  
| *Easy system construction*  
| *using the model*  
| *selection software*



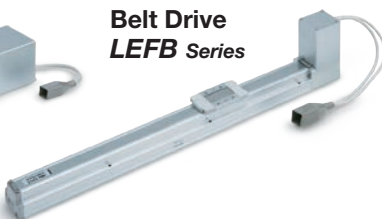
## Compatible Actuators

### X-Y-axis

Ball Screw Drive  
**LEFS Series**

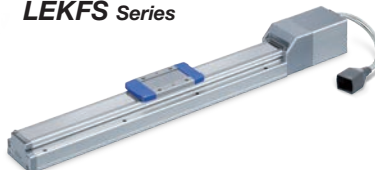


Belt Drive  
**LEFB Series**



### High Rigidity and High Precision

Slider Type  
**LEKFS Series**



### Z-axis

Guide Rod Type  
**LEYG Series**



## Compatible Controllers/Drivers <For single axis>

### JXC51/61 Series



### JXC91/E1/P1/D1/L1/M1 Series



### LECS □ -T/LECY □ Series



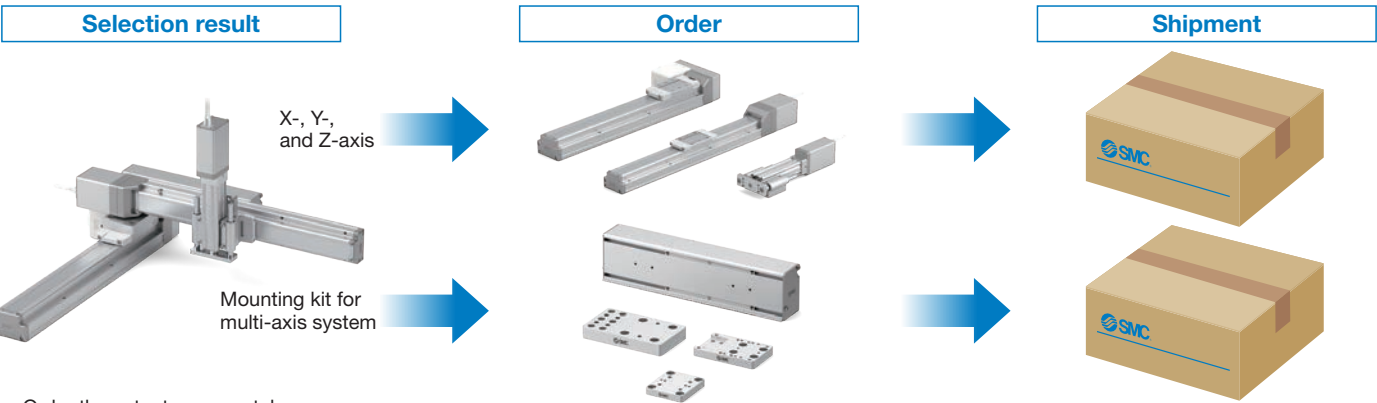
# LEA Series

Selection Process

For selection, use the Model Selection Software.

Selection item	Customer Information
Portal type	<div>Line gantries</div> <div>Cantilever</div> <div>Gantries</div>
X-, Y-axis	<div>• X-axis stroke</div> <div>• Y-axis stroke</div> <div>• Cycle time</div>
Z-axis	<div>• Z-axis stroke</div> <div>• Cycle time</div> <div>• Load mass</div>
Selection result	<div>• Part numbers for each X-, Y-, and Z-axis</div> <div>• Part numbers for Mounting Kit for Multi-Axis System</div>

From Selection to Shipment



X-Y axis combination		Y-axis			
		LE(K)F□16	LE(K)F□25	LE(K)F□32	LE(K)FS40
X-axis	LE(K)FS16	●			
	LE(K)FS25	●	●		
	LE(K)FS32	●	●	●	
	LE(K)FS40	●	●	●	●

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

## Compatible Actuators

### X-Y-axis



**LEFS**  
Ball screw  
drive

#### ●LEFS Series

Drive method	Motor type	Product no.	
Ball screw	Step motor (Servo 24 VDC)	LEFS16□	
		LEFS25□	
		LEFS32□	
		LEFS40□	
	Servo motor (24 VDC)	LEFS16□A	
		LEFS25□A	
	Battery-less absolute (Step motor 24 VDC)	LEFS16□E	
		LEFS25□E	
		LEFS32□E	
		LEFS40□E	
	High performance (Step motor 24 VDC)	LEFS16□F	
		LEFS25□F	
		LEFS32□F	
		LEFS40□F	
	High performance Battery-less absolute (Step motor 24 VDC) *1	LEFS16□G	
		LEFS25□G	
		LEFS32□G	
		LEFS40□G	
	AC servo motor (100/200 VAC)	LEFS25□ [S2/T6/V6]	
		LEFS32□ [S3/T7/V7]	
		LEFS40□ [S4/T8/V8]	

\*1 Acceleration/deceleration needs to be equal to or less than 3000 [mm/s<sup>2</sup>].

### Z-axis



**LEYG**  
Ball screw  
drive

#### ●LEYG Series

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



**LEFB**  
Belt drive

#### ●LEFB Series

Drive method	Motor type	Product no.	
Belt	Step motor (Servo 24 VDC)	LEFB16	
		LEFB25	
		LEFB32	
	Servo motor (24 VDC)	LEFB16A	
		LEFB25A	
	Battery-less absolute (Step motor 24 VDC)	LEFB16E	
		LEFB25E	
		LEFB32E	
	AC servo motor (100/200 VAC)	LEFB25 [S2/T6/V6]	
		LEFB32 [S3/T7/V7]	
		LEFB40 [S4/T8/V8]	

\* The LEFB series cannot be used on X-axis.

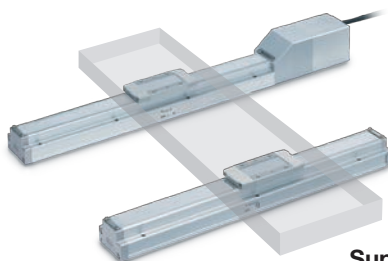
#### ●LEKFS Series

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

\*1 Acceleration/deceleration needs to be equal to or less than 3000 [mm/s<sup>2</sup>].

\* Scan the QR code.

## [Support guide] for gantry



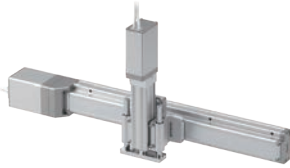
**LEFG**  
Support guide for  
ball screw drive actuator

### LEFG Series [Support guide]

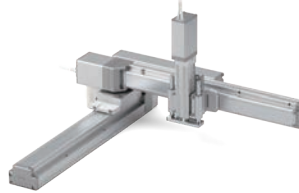
Type	Series	
Support guide for ball screw drive actuator	LEFG16-S	
	LEFG25-S	
	LEFG32-S	
	LEFG40-S	

# LEA Series X-Y-Z Unit Construction

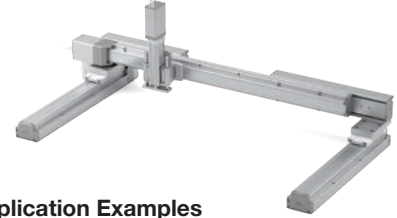
## Line gantries (Y-Z)



## Cantilever (X-Y-Z)



## Gantries (X-Y-Z + Support guide)



### Application Examples

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

### Application Examples

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

### Application Examples

Actuator	X-axis	Type	Example 5	Example 6
		Stroke [mm]	LEF32	LEF40
	Y-axis	Type	LEF25	LEF32
		Stroke [mm]	500	800
	Z-axis	Type	LEYG16	LEYG25
		Stroke [mm]	100	300

## Controllers for SMC Actuators

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



JXC51/61



JXC91  
EtherNet/IP



JXCE1  
EtherCAT



JXCP1  
CC-Link



JXCD1  
DeviceNet



JXCL1  
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

### AC Servo Motor Drivers AC Servo Motor



LECSA



LECSB-T



LECS-C  
CC-Link



LECS-S  
SERCOS III



LECYM  
MECHATROLINK-II



LECYU  
MECHATROLINK-III

