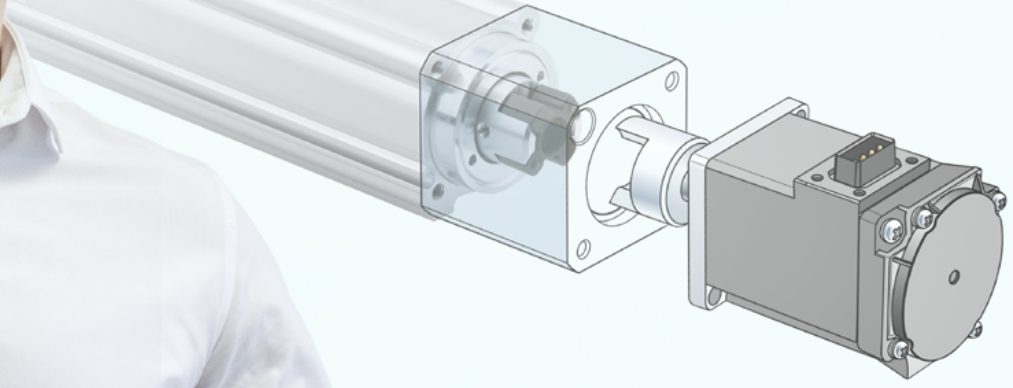
SMC

Expertise – Passion – Automation

Rockwell



Type	Slider					Rod					Slide Table	
Series	LEFS	LEFB	LEJS	LEJS-M	LEJS -X	LEY			LEYG		LESYH	
						Motor top/ parallel (—, R, L)	In-line motor (D)	In-line motor (D)	Motor top/ parallel (—, R, L)	In-line motor (D)	Motor top/ parallel (—, R, L)	In-line motor (D)
Drive method	Ball screw	Belt	Ball screw	Ball screw	Ball screw	Ball screw + Belt	Ball screw	Ball screw	Ball screw + Belt	Ball screw	Ball screw + Belt	Ball screw
Max. speed [1] [mm/s]	1500	2000	1800	1800	1800	1200	1200	1200	1200	1000	400	400
Positioning	±0.01	±0.08	±0.02	±0.02	±0.02	±0.02	±0.02	±0.02	±0.02	±0.02	±0.01	±0.01

Your motor, our actuator

SMC solutions for motorless – Rockwell

The Expert's experience

Just imagine you want to buy a new car

Oh man, you really like these comfortable seats, the size and shape with the spacious boot in a manufacturer's model. The luggage during the next family holidays luggage would cease to be a problem. But at the same time, you love the user interface and low fuel consumption of your other car. What a pity, these elements cannot be combined.

Let's transfer this example to industrial automation with electric actuators. You need an axis for a specific workload and cycle time. Your control engineer is an expert for a specific PLC type and has vast experience in setting up a specific motor type. Unfortunately, this motor supplier does not provide a mechanical axis which fits your application.

You could now start to design your own mechanical axis with a lot of external parts, design, test and assembly input. However, this is not really appealing due to resources, procurement, and warranty issues. There is, nevertheless, a manufacturer, offering a perfect axis but with another motor brand which your control engineer has no experience with.

Clemens Doppler
Team Lead Electrical Technology

What a pity, these elements cannot be combined in the new actuator, can they?

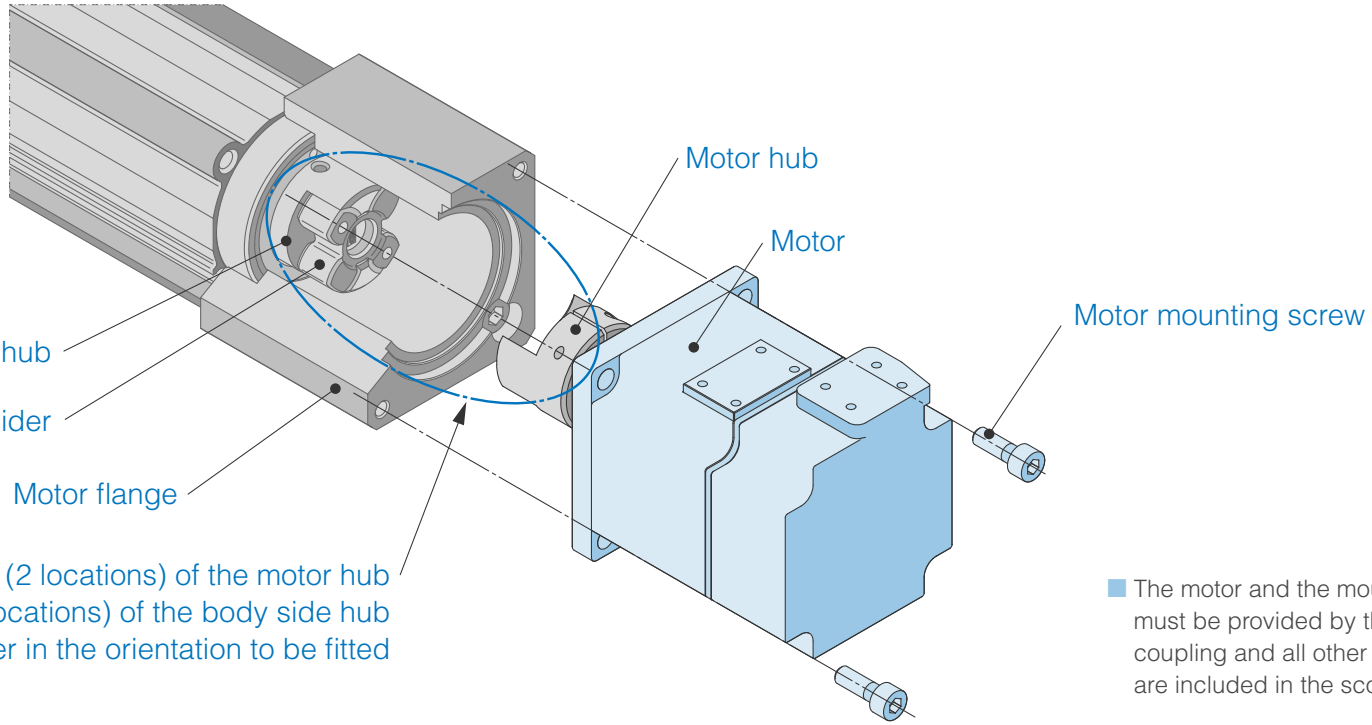
Yes, with motorless actuators you can very easily combine your favourite manufacturers' motors with a large portfolio of ready-to-use mechanical axes. With SMC in particular there is a plug-and-play solution for the most common motor manufacturers worldwide.

I would say that the benefits for machine builders are clear:

- Let your control engineer work with the system he knows best and is able to implement very quickly
- Keep your stock reduced with just one motor type for your machines
- Only one part number for procurement of the mechanical axis including all parts needed for pairing with the motor
- Ready-to-use sizing software for checking maximum workload, speed, acceleration and cycle time
- Different actuator types can be fitted with the same motor. (E.g., rod types or slider types).

Let SMC help you in your motorless experience

What's in the package?



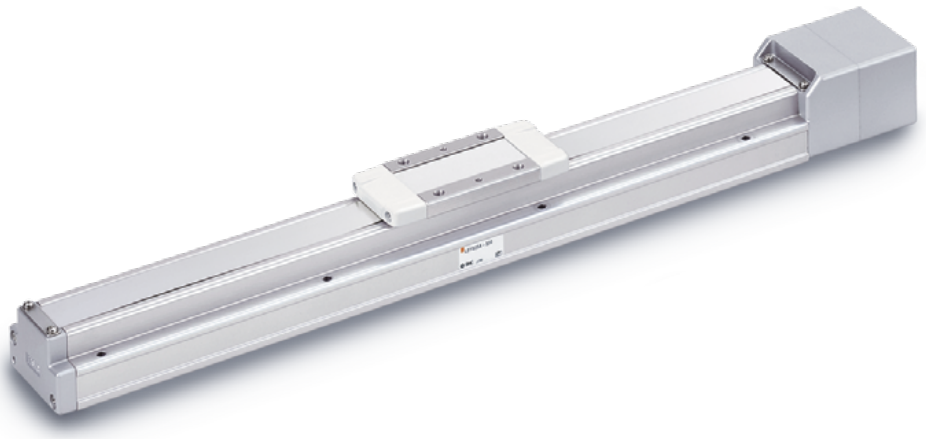
■ The motor and the mounting screws must be provided by the customer. The coupling and all other attachment parts are included in the scope of delivery.

Your motor, our actuator

SMC solutions for motorless – Rockwell

Slider type, ball screw drive

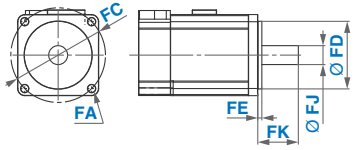
LEFS Series



⊕ *Your everyday transfer solution for high loads*

- High loads transfer & positioning, whatever the needs – Ball screw drive, the best for high loads and repeatable accurate positioning
- Ensure perfect precision – ±0.01 position repeatability
- Speed up your motion – Up to 1500 mm/s
- Perfect strength-to-speed ratio – Up to 60 kg.

Ask our experts



[mm]

Series	Mounting/ Special	Direction	Motor	Ø bolt pattern pitch **FC**	Bolt size **FA**	Ø circle diameter **FD**	Max surface depth **FE**	Ø diameter **FJ**	Length (±1 mm) **FK-FE**
LEFS25	NZ	Inline, parallel (R/L)	TLP-A046-005, TLP-A046-010, TLY/TL-A110, TLY/TL-A120, TLY/TL-A130	46	M4	30	3.5	8	25
LEFS32	NX	Inline	TLP-A070-020, TLP-A/B070-040, TLY/TL-A220, TLY/TL-A230	63	M5	40		9	20
	NT			70		50	3.3	12	30
LEFS40	NX		VPL-A/B0631, VPL-A/B0632, VPL-A/B0633, VPF-A/B0632, VPF-A/B0633, VPH-A/B0632, VPH-A/B0633, MPL-A/B1510, MPL-A/B1520, MPL-A/B1530	63		40	3.5	9	20

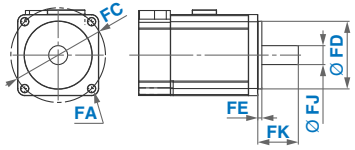
Slider type, belt drive

LEFB Series

⊕ *Your everyday transfer solution at high speed*

- High speed transfer & positioning, whatever the needs – Belt drive for smooth motion at higher speeds or longer movements
- Unbeatable for achieving great strokes – Up to 3000 mm
- Enhance high-speed transfer capacity – Up to 2000 mm/s
- Adapt to the needs – Motor mounting type top or bottom.

Ask our experts



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Series	Mounting/ Special	Direction	Motor	Ø bolt pattern pitch **FC**	Bolt size **FA**	Ø circle diameter **FD**	Max surface depth **FE**	Ø diameter **FJ**	Length (±1 mm) **FK-FE**
LEFB25	NZ	Bottom, top	TLP-A046-005, TLP-A046-010, TLY/TL-A110, TLY/TL-A120, TLY/TL-A130	46	M4	30	3.5	8	25
LEFB32	NX		VPL-A/B0631, VPL-A/B0632, VPL-A/B0633, VPH-A/B0632, VPH-A/B0633, MPL-A/B1510, MPL-A/B1520, MPL-A/B1530	63	M5	40		9	20
	NT		TLP-A070-020, TLP-A/B070-040, TLY/TL-A220, TLY/TL-A230	70		50	3.3	12	30
LEFB40	NX		VPL-A/B0631, VPL-A/B0632, VPL-A/B0633, VPF-A/B0632, VPF-A/B0633, VPH-A/B0632, VPH-A/B0633, MPL-A/B1510, MPL-A/B1520, MPL-A/B1530	63		40	3.5	9	20

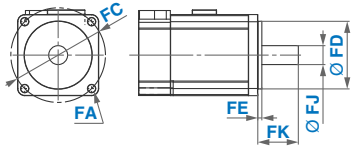
High rigidity slider type

LEJS Series

⊕ *Our most rigid electric actuator*

- Ensure robustness in your application – It supports eccentric loads with high accelerations, double-guide system, improving the dynamic allowable moments
- Increase your workload – Up to 85 kg.

Ask our experts



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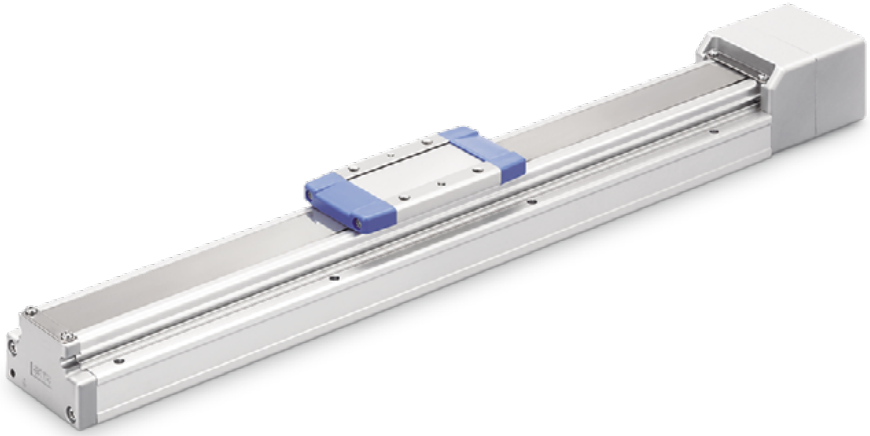
Series	Mounting/ Special	Direction	Motor	Ø bolt pattern pitch **FC**	Bolt size **FA**	Ø circle diameter **FD**	Max surface depth **FE**	Ø diameter **FJ**	Length (±1 mm) **FK-FE**
LEJS40	NT	Inline	TLP-A070-020, TLP-A/B070-040, TLY/TL-A220, TLY/TL-A230	70	M5	50	3.3	12	30
	NX		VPL-A/B0631, VPL-A/B0632, VPL-A/B0633, VPF-A/B0632, VPF-A/B0633, VPH-A/B0632, VPH-A/B0633, MPL-A/B1510, MPL-A/B1520, MPL-A/B1530	63		40	3.5	9	20
LEJS63	NT		TLP-A070-020, TLP-A/B070-040, TLY/TL-A220, TLY/TL-A230	70		50	3.3	12	30

High rigidity and high precision slider type, ball screw

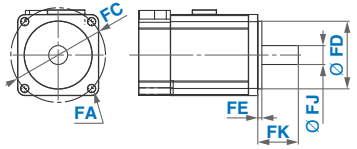
LEKFS Series



⊕ Foolproof precision transfer, no slack

- Get perfect rigidity & precision – Reduced deflection and table displacement
- Boost product life & reduce maintenance time – Dust seal band magnet (all sizes)
- Guarantee impeccable accuracy – ±0.01 position repeatability.

Ask our experts



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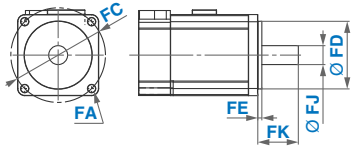
Series	Mounting/ Special	Direction	Motor	Ø bolt pattern pitch **FC**	Bolt size **FA**	Ø circle diameter **FD**	Max surface depth **FE**	Ø diameter **FJ**	Length (±1 mm) **FK-FE**
LEKFS25	NZ	Inline, parallel (R/L)	TLP-A046-005, TLP-A046-010, TLY/TL-A110, TLY/TL-A120, TLY/TL-A130	46	M4	30	3.5	8	25
LEKFS32	NX	Inline	VPL-A/B0631, VPL-A/B0632, VPL-A/B0633, VPF-A/B0632, VPF-A/B0633, VPH-A/B0632, VPH-A/B0633	63	M5	40		9	20
	NT		MPL-A/B1510, MPL-A/B1520, MPL-A/B1530, TLP-A070-020, TLP-A/B070-040, TLY/TL-A220, TLY/TL-A230	70		50	3.3	12	30
LEKFS40			TLP-A070-020, TLP-A/B070-040, TLY/TL-A220, TLY/TL-A230						
	NX		VPL-/B0631, VPL-A/B0632, VPL-A/B0633, VPF-A/B0632, VPF-A/B0633, VPH-A/B0632, VPH-A/B0633, MPL-A/B1510, MPL-A/B1520, MPL-A/B1530	63		40	3.5	9	20

High precision table

LESYH Series

⊕ *Extremely precise & compact, designed for transfer applications*

- Successfully offer remarkable rigidity and precision – Reduced deflection. ±0.01 mm position repeatability and great harshness. Lost motion reduction, 0.1 mm
- Boost your productivity – Maximum speed of 400 mm/s and maximum acceleration of 5000 mm/s^2
- Use it as you wish – Vertical workload up to 20 kg and horizontal workload up to 12 kg.



Ask our experts

[mm]

Series	Mounting/ Special	Direction	Motor	Ø bolt pattern pitch **FC**	Bolt size **FA**	Ø circle diameter **FD**	Max surface depth **FE**	Ø diameter **FJ**	Length (±1 mm) **FK-FE**
LESYH25	NZ	Inline	TLP-A046-005, TLP-A046-010, TLY/TL-A110, TLY/TL-A120, TLY/TL-A130	46	M4	30	3.5	8	25
LESYH32	NX	Inline, parallel (R/L)	VPL-A/B0631, VPL-A/B0632, VPL-A/B0633, VPH-A/B0632, VPH-A/B0633, MPL-A/B1510, MPL-A/B1520, MPL-A/B1530	63	M5	40		9	20
	NT		TLP-A070-020, TLP-A/B070-040, TLY/TL-A220, TLY/TL-A230	70		50	3.3	12	30

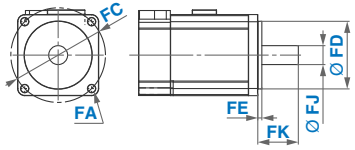
Rod type, ball screw

LEY Series

⊕ *Your everyday pushing & pulling solution*

- Meet any pushing or pulling challenge – Rod design
- Work it any way – Selectable motor mounting position, top, in-line, right and left mounting positions
- Optimal for achieving great strokes – Up to 800 mm.

Ask our experts



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Series	Mounting/ Special	Direction	Motor	Ø bolt pattern pitch **FC**	Bolt size **FA**	Ø circle diameter **FD**	Max surface depth **FE**	Ø diameter **FJ**	Length (±1 mm) **FK-FE**
LEY25	NZ	Inline	TLY/TL-A120, TLY/TL-A130	46	M4	30	3.5	8	25
LEY32	NX		VPL-A/B0631, VPL-A/B0632, VPL-A/B0633, VPH-A/B0632, VPH-A/B0633, MPL-A/B1510, MPL-A/B1520, MPL-A/B1530	63	M5	40		9	20
	NT		TLP-A070-020, TLP-A/B070-040, TLY/TL-A220, TLY/TL-A230	70		50	3.3	12	30
LEY63	NX		VPL-A/B0631, VPL-A/B0632, VPL-A/B0633, VPF-A/B0632, VPF-A/B0633, VPH-A/B0632, VPH-A/B0633, MPL-A/B1510, MPL-A/B1520, MPL-A/B1530	63		40	3.5	9	20

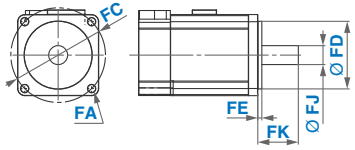
Guide rod type, ball screw

LEYG Series

⊕ *Your everyday pushing & pulling solution*

- Discover the undeniable rigidity – Three-guide system, high non-rotation accuracy ±0.01 mm
- Perfect to suit your application – Sliding bearings & ball bushing types
- Work it any way – Selectable motor, right and left mounting positions.

Ask our experts



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Series	Mounting/ Special	Direction	Motor	Ø bolt pattern pitch **FC**	Bolt size **FA**	Ø circle diameter **FD**	Max surface depth **FE**	Ø diameter **FJ**	Length (±1 mm) **FK-FE**
LEYG25	NZ	Inline, parallel (Top)	TLP-A046-005, TLP-A046-010, TLY/TL-A110, TLY/TL-A120, TLY/TL-A130	46	M4	30	3.5	8	25
LEYG32	NX	Inline	VPL-A/B0631, VPL-A/B0632, VPL-A/B0633, VPH-A/B0632, VPH-A/B0633, MPL-A/B1510, MPL-A/B1520, MPL-A/B1530	63	M5	40		9	20
LEYG32	NT		TLP-A070-020, TLP-A/B070-040, TLY/TL-A220, TLY/TL-A230	70		50	3.3	12	30

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