














Linear Motion Units/Single Axis Actuators

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New Products High precision, Compact size and Low price

Single axis actuator



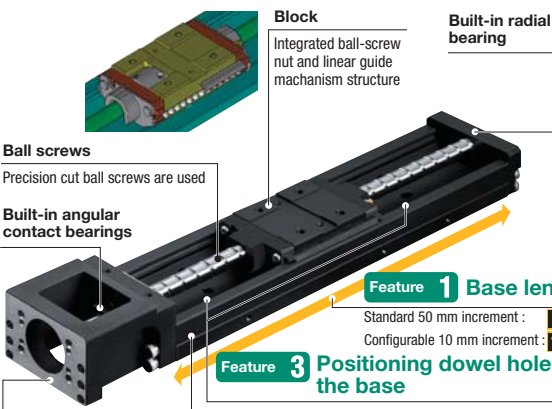
A powerful assistant tool for automation machine design

- High precision** Advanced precision class
Manufactured by Misumi Groups' Suruga Seiki Co., widely known for its XY stage. Positioning repeatability of $\pm 5\mu$ guaranteed.
- Compactness** Outstanding low profile design
Low-profile realized by the integral structure with blocks. Best for space-saving.
- Cost-effectiveness** Reasonable price competitive to standard precision products
Advanced precision products available in the same price range as standard precision products (from 386,00 EUR). Contributes to cost reduction of automation machines.

Structure and features

- Feature 1** Base length is configurable
- Feature 2** Low overall stage height for space savings
- Feature 3** Dowel Holes on Base Plate for accurate positioning
- Feature 4** Carriage equipped with positioning dowel holes (cover type)

Standard type



Block
Integrated ball-screw nut and linear guide mechanism structure

Built-in radial bearing

Ball screws
Precision cut ball screws are used

Built-in angular contact bearings

Base
Highly rigid extrusion is used. Tapped hole for a sensor is provided on the side. Surface treatment consists of LTBC Plating.

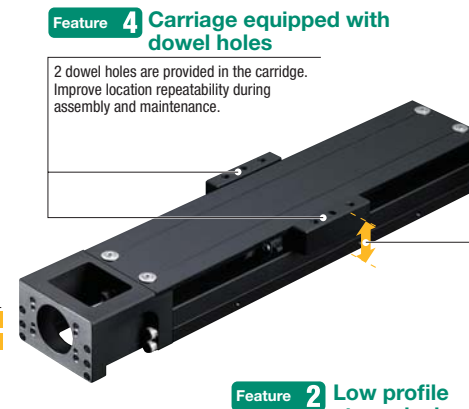
Motor bracket
Compatible with a wide variety of servo/stepper motors

Rail shape
2-row Gothic arch shape is used. High rigidity and compact size can withstand 4-way equal loads.

Feature 1 Base length
Standard 50 mm increment : 8 days
Configurable 10 mm increment : 15 days

Feature 3 Positioning dowel holes in the base
Two dowel holes in the base will help with location repeatability during assembly and maintenance.

Cover type



Feature 4 Carriage equipped with dowel holes
2 dowel holes are provided in the carriage. Improve location repeatability during assembly and maintenance.

Feature 2 Low profile stage design
Block integrated structure is used. Low overall stage height.

Height of Cover Type Products	LX20	27mm
	LX26	33mm
	LX30	40mm
	LX45	57mm

Patent pending