

## Actuator selection

**SURUGA SEIKI CO.,LTD.**

### Precision Positioning Stage

PG Series / KX Series / KXS Series.

#### ● PG Series

Item		Description
Travel length		13 / 15 / 30 / 50 mm
Table size		40 × 40 mm ~ 70 × 110 mm
Ball screw	Shaft diameter	φ6 mm
	Lead	1 mm
Main materials		Stainless
Finishing		Electroless nickel plating
Resolution (Pulse)		23 bit encoder (8388608 P/R)
Accuracy	Uni-directional positioning accuracy	6 μm/13 mm ~ 12 μm/50 mm
	Repeatability	±0.5 μm
	Max Speed	50 mm/sec
	Load capacity	10 kgf (98 N)

(Note) Accuracy specifications are for reference only.

#### ● KXL Series

Item		Description	
Travel length		30/50/75/100/150/200/300 mm	
Table size		60 × 60 mm	
Ball screw	Shaft diameter	φ6 mm	
	Lead	1 mm (TL: 30 mm ~ 75 mm)	2 mm (TL: 30 mm ~ 300 mm)
Main materials		Stainless	
Finishing		Electroless nickel plating	
Resolution (Pulse)		23 bit encoder (8388608 P/R)	
Cover		Covered / Uncovered	
Accuracy	Uni-directional positioning accuracy	5 μm/30 mm ~ 25 μm/300 mm	
	Repeatability	±0.5 μm	
	Max Speed	50 mm/sec	100 mm/sec
	Load capacity	12 kgf (117.6 N)	

(Note) Accuracy specifications are for reference only.

#### ● KXS Series

Item		Description	
Travel length		100/200/300/400/500 mm	
Table size		180 × 180 mm	
Ball screw	Shaft diameter	φ 15 mm	
	Lead	5 mm	10 mm
Main materials		Aluminum	
Finishing		Anodic oxide coating	
Resolution (Pulse)		23 bit encoder (8388608 P/R)	
Cover		Covered / Uncovered	
Accuracy	Uni-directional positioning accuracy	5 μm/100 mm ~ 40 μm/500 mm	
	Repeatability	±1 μm	
	Max Speed	200 mm/sec	400 mm/sec
	Load capacity	30 kgf (294 N)	

(Note) Accuracy specifications are for reference only.

**[Applicable drive / motor type]** A6 family Drive : M\*DL\*\*\*\*\* Motor : M\*MF\*\*\*\*\*L\*\*\*\*\*  
Please contact the following address for the details of the combination.