

# Motorized Stage

## X-axis Linear Ball Guide: KXT04015/KXT06015

Motorized Stage

KXT04015-L



KXT06015-L



RoHS

\* This photos shows a cover position is an image in case of L.  
The holes and the shape may differ in certain respects from the actual product.

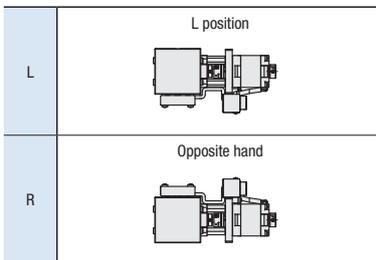


▶ Cable P.1-207~  
▶ Electrical specification P.1-019~

### 1 Table size

04	<input type="checkbox"/> 40mm
06	<input type="checkbox"/> 60mm

### 2 Sensor cover location



### 3 Cable option

Code	Specification	Cable type
F	Robot cable 2m	D214-2-2R
G	Robot cable 2m one end loose	D214-2-2RK
H	Robot cable 4m	D214-2-4R
J	Robot cable 4m one end loose	D214-2-4RK
Blank	Cable is not included (Standard)	—

\* The one end loose side might be on an opposite side of stage.  
See page P.1-207,209~ for cable details.  
Please select "Code F or H" when connect with stepping motor controller(DS102/112).

Linear Ball

CAVE-X  
Linear ball

Cross Roller

Slide Guide

φ40

φ50

φ60

φ70

φ80

φ100

φ120

Other

### SPEC

Model	KXT04015-LC		KXT06015-LC	
	KXT04015-RC		KXT06015-RC	
Travel length	15mm			
Table size	40×40mm		60×60mm	
Feed screw (Ball screw)	φ6 lead 1			
Guide	Linear ball guide			
Main materials-Finishing	Steel—Opposite side of the end face finishing			
Weight	0.38kg		0.60kg	
Resolution (Pulse)	2μm (Full)/1μm (Half)			
MAX speed	10mm/sec			
Uni-directional positioning accuracy	Within 10μm			
Repeatability positioning accuracy	±1μm			
Load capacity	10kgf [98N]			
Moment stiffness	Pitch 0.38/yaw 0.35/roll 0.21 ["/N · cm]		Pitch 0.1/yaw 0.08/roll 0.05 ["/N · cm]	
Lost motion	Within 2.5μm			
Straightness	Within 10μm			
Parallelism	Within 20μm			
Pitching/Yawing	Within 30"/Within 25"		Within 35"/Within 30"	
Limit sensor			Installed	
Origin sensor			Installed	
Provided screw (Hexagon-headed bolt)	4 of M3—8		4 of M3—8	