

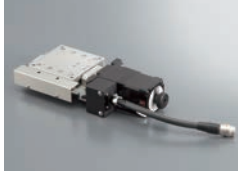
Motorized Stage

Thin Type X-axis Cross Roller Guide: KX0725C/KX0830C/KX1040C/KX1250C

Motorized Stage

RoHS

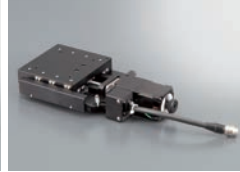
KX0725C-L



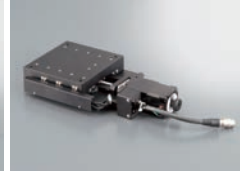
KX0830C-L



KX1040C-L



KX1250C-L



KX0725C-R



KX0830C-R



KX1040C-R



KX1250C-R



Model Selection code Option code

K **X0725C-L** **5**

1 2 3 4 5 6

Cable P.1-207~
Electrical specification P.1-099~

1 Axis

X	X-axis
---	--------

2 Table size

07	<input type="checkbox"/> 70mm
08	<input type="checkbox"/> 80mm
10	<input type="checkbox"/> 100mm
12	<input type="checkbox"/> 120mm

3 Travel length

25	25mm
30	30mm
40	40mm
50	50mm

* Selectable only 0725, 0830, 1040, 1250 in combination with 2 and 3.

4 Guide

C	Crossed roller
---	----------------

5 Sensor cover location specification

L	L position
R	Opposite hand

6 Cable option

Code	Specification	Cable type
Blank	2m	D214-2-2E
1	2m One end loose	D214-2-2EK
2	4m	D214-2-4E
3	4m One end loose	D214-2-4EK
4	Only connector (Cable is not included)	—
5	Cable is not included (Standard)	—
6	Robot cable 2m	D214-2-2R
7	Robot cable 4m	D214-2-4R
8	Robot cable 4m one end loose	D214-2-4RK
9	Robot cable 2m one end loose	D214-2-2RK

* One end loose position to only stage opposite side.

* If you choose the option specification, please add the difference to standard price.

* See page P.1-207, 209~ for more cable details.

* Please select "blank, 2, 6 and 7" 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	KX0725C-L5	KX0830C-L5	KX1040C-L5	KX1250C-L5	
(Opposite hand)	KX0725C-R5	KX0830C-R5	KX1040C-R5	KX1250C-R5	
Mechanical specification	Travel length	25mm	30mm	40mm	
	Table size	70×70mm	80×80mm	100×100mm	
	Feed screw	Ball screwφ6 lead 1			
	Guide	Crossed roller guide			
Main materials-Finishing	Aluminum—White almitine finish		Aluminum—Black almitine finishing		
	Weight	1.0kg	1.2kg	1.6kg	2.2kg
Accuracy specification	Resolution (Pulse)	Full/Half Microstep			
		1μm/0.5μm 0.05μm (1/20 on resolution)			
	MAX speed	10mm/sec			
	Uni-directional positioning accuracy	Within 5μm			
	Repeatability positioning accuracy	Within ±0.3μm			
	Load capacity	10kgf [98N]	15kgf [147N]	20kgf [196N]	25kgf [245N]
	Moment stiffness	Pitch 0.09/yaw 0.07/roll 0.07 [°/N · cm]	Pitch 0.05/yaw 0.04/roll 0.03 [°/N · cm]	Pitch 0.04/yaw 0.04/roll 0.02 [°/N · cm]	Pitch 0.03/yaw 0.02/roll 0.02 [°/N · cm]
	Lost motion	Within 1μm			
	Backlash	Within 0.5μm			
	Straightness	Within 1μm			
Parallelism	Within 30μm				
Motion parallelism	Within 10μm		Within 15μm		
Pitching/Yawing	Within 20°/Within 15°				
Sensor	Limit sensor	Installed			
	Origin sensor	Installed			
	Slit origin sensor	Installed			
Provided screw (Hexagon-headed bolt)	4 of M4—8		4 of M4—10		