

# Motorized Stage

## Thin Type Z-axis Cross Roller Guide: KZ0725C/KZ0830C/KZ1040C/KZ1250C

Motorized Stage

RoHS

KZ0725C-L



KZ0830C-L



KZ1040C-L



KZ1250C-L



KZ0725C-R



KZ0830C-R



KZ1040C-R



KZ1250C-R



Model Selection code Option code  
**K** **Z0725C-L** **5**

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

### 1 Axis

Z	Z-axis
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### 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
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### 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).

### SPEC

Model	KZ0725C-L5	KZ0830C-L5	KZ1040C-L5	KZ1250C-L5	
(Opposite hand)	KZ0725C-R5	KZ0830C-R5	KZ1040C-R5	KZ1250C-R5	
Mechanical specification	Travel length		25mm	30mm	
	Table size		70×70mm	80×80mm	
	Feed screw		Ball screwφ6 lead 1		
	Guide		Crossed roller guide		
Main materials-Finishing		Aluminum—White almite finish		Aluminum—Black almite finishing	
Weight		1.3kg	1.49kg	2.7kg	
Accuracy specification	Resolution (Pulse)		Full/Half		1μm/0.5μm
			Microstep		0.05μm (1/20 on resolution)
	MAX speed		10mm/sec		
	Load capacity (Excitation)		5kgf [49N]	7.5kgf [73.5N]	
	Vertical degree		Within 20μm	Within 25μm	Within 30μm
	Pitching/Yawing		Within 20°/Within 15°		
	Uni-directional positioning accuracy		Within 15μm		
	Repeatability positioning accuracy		Within ±0.3μm		
Sensor	Lost motion		Within 1μm		
	Straightness		Within 2μm		
	Limit sensor		Installed		
	Origin sensor		Installed		
	Slit origin sensor		Installed		
Provided screw (Hexagon-headed bolt)		4 of M3-12	4 of M4-12	4 of M4-10	
				4 of M6-12	

Linear Ball

CAVE-X Linear ball

Cross Roller

Slide Guide

φ40

φ50

φ60

φ70

φ80

φ100

φ120

Other