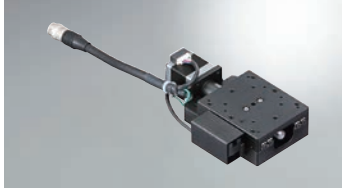


X-axis Cross Roller Guide: KS101-30

Motorized Stage

RoHS

KS101-30LC



KS101-30LMS



KS101-30LPA



Model Selection code Option code

KS101-30L C-5

1 2 3 4 5

▶ Cable P.1-207~
▶ Electrical specification P.1-107~

1 Axis

1	X-axis
2 Travel	
30	30mm

3 Sensor cover location

Code	Specification
L	L position
R	Opposite hand

4 Motor option

Code	Specification
C	Standard
MS	<input type="checkbox"/> 38 Microstep
PA	<input type="checkbox"/> 28 α step
QA	<input type="checkbox"/> 42 α step

* Must be chosen the cable from 2A~5R for PA and QA.

5 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
2A	2m (α step)	—
5A	5m (α step)	—
2R	Robot cable 2m (α step)	—
5R	Robot cable 5m (α step)	—

* 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		KS101-30LC-5	KS101-30LMS-5	KS101-30LPA	KS101-30LQA
(Opposite hand)		KS101-30RC-5	KS101-30RMS-5	KS101-30RPA	KS101-30RQA
Mechanical specification	Travel length	30mm			
	Table size	60×70mm			
	Feed screw	Ball screw ϕ 8 lead 1			
	Guide	Crossed roller guide			
	Main materials-Finishing	Aluminum—Black almite finishing			
Weight		0.56kg	0.74kg	0.61kg	0.96kg
	Resolution (Pulse)	2 μ m / 1 μ m	1 μ m / 0.5 μ m	1 μ m (Set to 1000P/R)	
Accuracy specification	MAX speed	20mm/sec	10mm/sec	20mm/sec	
	Uni-directional positioning accuracy	Within 5 μ m			
	Repeatability positioning accuracy	Within \pm 0.3 μ m			
	Load capacity	5.0kgf [49N]			
	Moment stiffness	Pitch 0.15/yaw 0.08/roll 0.07 ["/N · cm]			
	Lost motion	Within 1 μ m			
	Backlash	Within 0.5 μ m			
	Straightness	Within 3 μ m			
Sensor	Parallelism	Within 30 μ m			
	Motion parallelism	Within 10 μ m			
	Pitching/Yawing	Within 25"/Within 20"			
	Limit sensor	Installed			
Origin sensor	Installed				
Slit origin sensor	—				
Provided screw (Hexagon-headed bolt)	4 of M4—16				

* The price includes a driver for α step. Motor cable sold separately. Please order from cable option 2A,5A,2R and 5R. Sensor cable attached only receiving connector. See page ▶ P.1-107~.
 * The controller for α step drive is not supplied.

X

XY

Z

Horizontal Z

XYZ

Goniometer

Rotary

Unit

Controller

Linear Ball

CAVE-X Linear ball

Cross Roller

Slide Guide

ϕ 40

ϕ 50

ϕ 60

ϕ 70

ϕ 80

ϕ 100

ϕ 120

Other