

Motorized Stage

CAVE-X POSITIONER

XY-axis Linear Ball Guide: KYL06200/KYL06300

Motorized Stage

RoHS



🔗 Cable P.1-207~
🔗 Electrical specification P.1-077~

1 Travel length

200	200mm
300	300mm

2 Cover type

N	Uncovered	
C	Covered	

3 Ball screw lead selection

2	Lead 2mm
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4 Motor option

Code	Specification
F	High-torque
G	High resolution
MA	With electromagnetic brake (Driver set)
PA	α Step (Driver set)
U	Servo motor (Amplifier set)

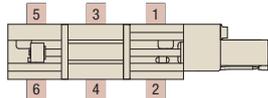
* Code MA · PA · U is the set of driver and cable.
* See page P.1-077~ for details of motor option.

5 Origin sensor option

Code	Specification
Blank	None
1	CCW right side
2	CCW left side
3	Center right side
4	Center left side
5	CW right side
6	CW left side

* See page P.1-079~ for details of origin sensor option.

■ Position of origin sensor option (Please choose one position)



6 Cable option

Code	Specification	Cable type
A	2m	D214-2-2E
B	2m One end loose	D214-2-2EK
C	4m	D214-2-4E
D	4m One end loose	D214-2-4EK
E	Only connector (Cable is not included)	—
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
M	Cable for electromagnetic brake	—
P	Cable for α step	
U	Cable for servo motor	
Blank	Cable is not included (Standard)	—

* One end loose position to only stage opposite side.

* The price includes M, P and U.
Not available non-cable.

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

* Please select "Code A, C, F or H" when connect with stepping motor controller(DS102/112).

(Note)
Please check available cable from compatibility list.
Not included cable for a main body. Please choose the code as below.

Motor/cable products list	Motor code	Cable code
	F,G	Blank, A~H,J
	MA	M
	PA	P
U	U	

Linear Ball

CAVE-X Linear ball

Cross Roller

Slide Guide

φ40

φ50

φ60

φ70

φ80

φ100

φ120

Other

SPEC

Model	Uncovered	KYL06200-N2-F	KYL06300-N2-F
	Covered	KYL06200-C2-F	KYL06300-C2-F
Travel length		200mm	300mm
Table size			60×60mm
Feed screw (Ball screw)			φ8 lead 2
Guide			Linear ball guide
Main materials-Finishing		Stainless—Opposite side of the end face finishing	
Weight	Uncovered	4.84kg	6.04kg
	Covered	4.96kg	6.24kg
Resolution (Pulse)	Full/ Half	4μm/2μm	
	Microstep	0.2μm (1/20 on resolution)	
MAX speed		45mm/sec	
Load capacity		10kgf [98N]	
Perpendicularity		Within 100μm/ Full stroke	Within 150μm/ Full stroke
Sensor	Limit sensor	Installed	
	Origin sensor	— ※Attachable in origin sensor option	
	Slit origin sensor	—	
Provided screw (Hexagon-headed bolt)		12 of M4—14	16 of M4—14
Supplies accuracy specification	Uni-directional positioning accuracy	Within 15μm	Within 25μm
	Repeatability positioning accuracy		Within ±0.5μm
	Lost motion		Within 1μm
	Backlash		Within 1μm
	Straightness		Within 7μm
	Pitching/Yawing	Within 30"/ Within 20"	

※ Might be changed specification due to motors. See page P.1-213~ for details.