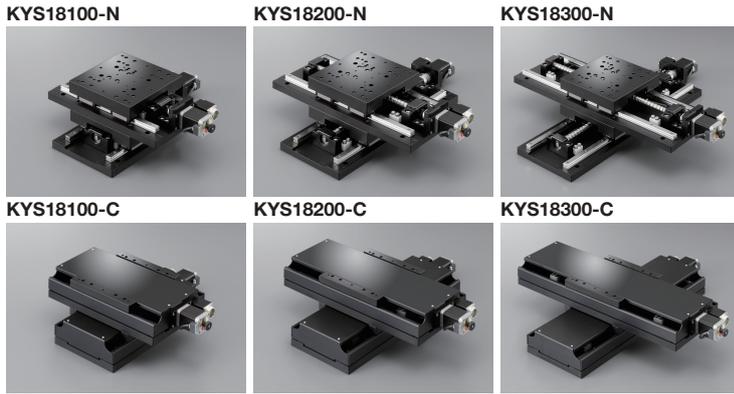


XY-axis Slide Guide: KYS18100/KYS18200/KYS18300

RoHS



Model Selection code Option code
KYS18100-N5-JA
 1 2 3 4 5

● Cable P.1-207~
 ● Electrical specification P.1-135~

1 Travel length

100	100mm
200	200mm
300	300mm

2 Cover type

N	Uncovered	
C	Covered	

3 Ball screw lead selection

5	lead 5mm
10	lead 10mm

4 Motor option

Code	Specification
J	Standard
SA	With electromagnetic brake (Driver set)
QA	α Step (Driver set)
W	Servo motor (Amplifier set)

5 Cable option

Code	Specification	Cable type
A	2m	D214-1-2E
B	2m One end loose	D214-1-2EK
C	4m	D214-1-4E
D	4m One end loose	D214-1-4EK
E	Only connector (Cable is not included)	—
F	Robot cable 2m	D214-1-2R
G	Robot cable 2m one end loose	D214-1-2RK
H	Robot cable 4m	D214-1-4R
J	Robot cable 4m one end loose	D214-1-4RK
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
	J	Blank, A~H, J
	SA	M
	QA	P
W	U	

SPEC							
Model	Uncovered	KYS18100-N5-J	KYS18100-N10-J	KYS18200-N5-J	KYS18200-N10-J	KYS18300-N5-J	KYS18300-N10-J
	Covered	KYS18100-C5-J	KYS18100-C10-J	KYS18200-C5-J	KYS18200-C10-J	KYS18300-C5-J	KYS18300-C10-J
Mechanical specification	Travel length	100mm		200mm		300mm	
	Table size	180×180mm					
	Feed screw (Ball screw)	φ15 lead 5	φ15 lead 10	φ15 lead 5	φ15 lead 10	φ15 lead 5	φ15 lead 10
	Guide	Slide guide					
Accuracy specification	Main materials-Finishing	Aluminum—Black almite finishing					
	Weight	Uncovered	16.64kg	18.96kg	21.44kg		
		Covered	16.24kg	18.74kg	21.4kg		
MAX speed	Full/ Half	lead 5: 10μm/5μm lead 10: 20μm/10μm					
	Microstep	lead 5: 0.5μm (1/20 on resolution) lead 10: 1μm (1/20 on resolution)					
Load capacity	lead 5	30mm/sec					
	lead 10	50mm/sec					
Perpendicularity		21kgf [205.8N]	20kgf [196N]	19kgf [186.2N]			
Sensor	Limit sensor	Within 50μm/Travel					
	Origin sensor	Installed					
	Slit origin sensor	Installed					
	Provided screw (Hexagon-headed bolt)	8 of M6—20					
Other	Uni-directional positioning accuracy	Within 15μm		Within 20μm		Within 30μm	
	Repeatability positioning accuracy	Within ±1μm					
	Backlash	Within 2μm					
	Pitching/Yawing	Within 30"/Within 20"		Within 50"/Within 20"		Within 60"/Within 30"	

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

Motorized Stage

X

XY

Z

Horizontal Z

XYZ

Goniometer

Rotary

Unit

Controller

Linear Ball

CAVE-X Linear ball

Cross Roller

Slide Guide

φ40

φ50

φ60

φ70

φ80

φ100

φ120

Other