

Realizing Symmetrical Back-and-forth Motion

Bidirectional Actuator

SE23/SE30/SG26/SG33

Dual motion functions achieved with a single actuator!

Has high positioning accuracy with a compact design that contributes to space-efficiency.
 Enables design regardless of mounting posture.

Model No.	Maximum Stroke (mm)	Repeated positioning accuracy (mm)	◎ : Standard product ● : Custom product
SE2305B-250B-****-S	20	±0.010	◎
SE2305B-300B-****-S	70		◎
SE3005B-400Z-****-S	100		●
SG2605B-300Z-****-S	70	±0.005	●
SG3310B-400Z-****-S	100		●

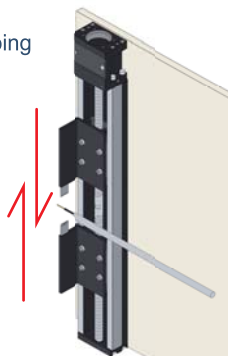
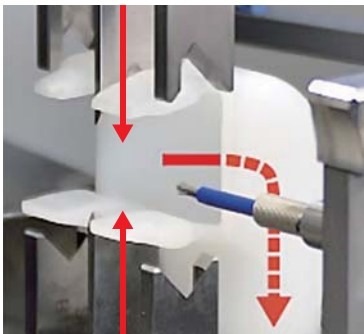
Grease: KURODA S Grease



Example of use

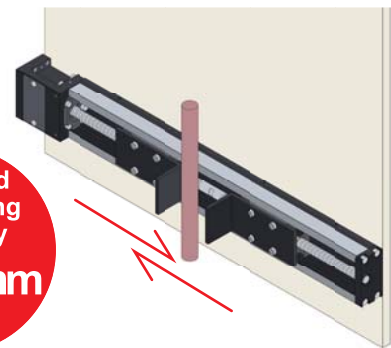
Wire processing

Ideal for equipment that requires high-precision gripping



Vertical use

Repeated positioning accuracy
± 0.01mm
 or less



Horizontal Use

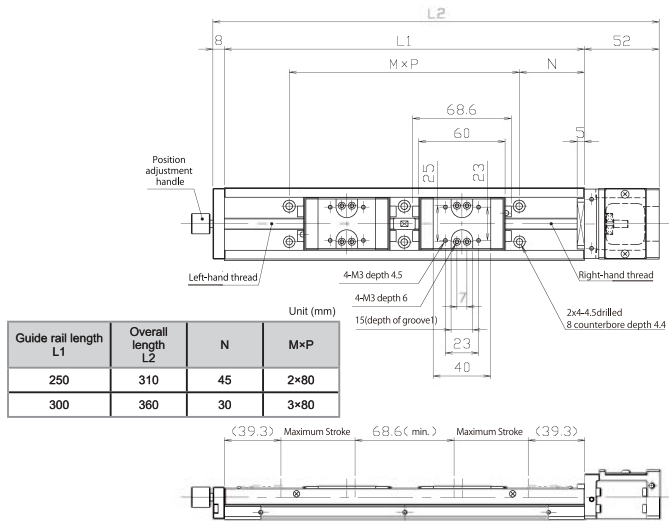
KURODA PRECISION INDUSTRIES LTD.

<http://www.kuroda-precision.com>

International Sales Section Motion Control Division
 Kawasaki Tech Center, 5th floor, 580-16 Horikawa-cho
 Saiwai-ku, Kawasaki, Kanagawa, 212-8560, Japan
 E-mail: ovs_dpt@kuroda-precision.co.jp

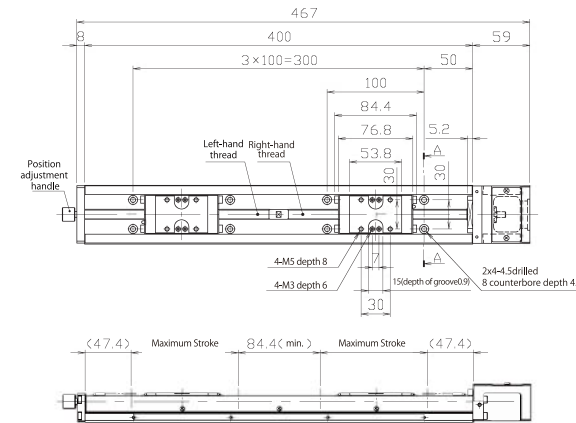
Bidirectional Actuator SE23 / SE30 / SG26 / SG33

SE23



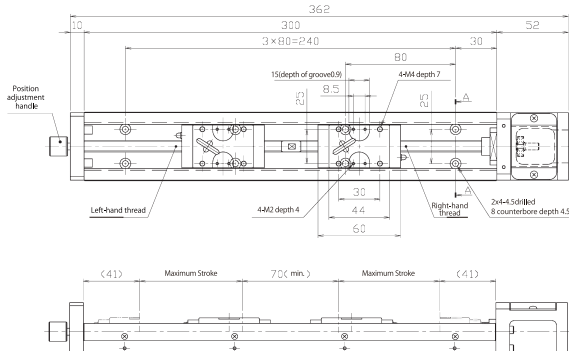
SE2305B-250B/300B	
Ball screw lead	5
Basic dynamic load rating (kN)	
Ball Screw Ca	1.9
Guide C	4.3
Bearing mounting part Cb	1.79
Basic static load rating (kN)	
Ball Screw Ca	3.1
Guide C	7.0
Bearing mounting part Cb	1.76
Static permissible moment (N·m)	
M _p	46
M _v	51
M _r	134
Gripping force	* 2
Maximum Stroke (mm)	70
Repeated positioning accuracy (mm)	±0.010
Positioning accuracy (mm)	0.090
Running parallelism (mm)	0.015
Backlash (mm)	0.020
Starting torque (N·m)	0.04
Inertia (kg·m ²) [250B]	1.10×10 ⁻⁶
Inertia (kg·m ²) [300B]	1.26×10 ⁻⁶

SE30



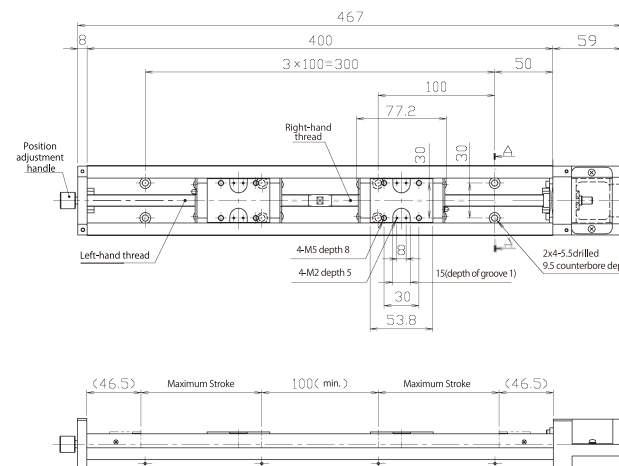
SE3005B-400Z	
Ball screw lead	5
Basic dynamic load rating (kN)	
Ball Screw Ca	3.0
Guide C	7.0
Bearing mounting part Cb	4.4
Basic static load rating (kN)	
Ball Screw Ca	5.3
Guide C	11.8
Bearing mounting part Cb	4.36
Static permissible moment (N·m)	
M _p	101
M _v	120
M _r	260
Gripping force	* 2
Maximum Stroke (mm)	100
Repeated positioning accuracy (mm)	±0.010
Positioning accuracy (mm)	0.095
Running parallelism (mm)	0.025
Backlash (mm)	0.020
Starting torque (N·m)	0.15
Inertia (kg·m ²)	3.74×10 ⁻⁶

SG26



SG2605B-300Z	
Ball screw lead	5
Basic dynamic load rating (kN)	
Ball Screw Ca	2.35
Guide C	7.78
Bearing mounting part Cb	1.79
Basic static load rating (kN)	
Ball Screw Ca	3.3
Guide C	14.98
Bearing mounting part Cb	1.76
Static permissible moment (N·m)	
M _p	99
M _v	118
M _r	255
Gripping force	* 2
Maximum Stroke (mm)	70
Repeated positioning accuracy (mm)	±0.005
Positioning accuracy (mm)	0.050
Running parallelism (mm)	0.025
Backlash (mm)	0.020
Starting torque (N·m)	0.04
Inertia (kg·m ²)	1.28×10 ⁻⁶

SG33



SG3310B-400Z	
Ball screw lead	10
Basic dynamic load rating (kN)	
Ball Screw Ca	2.2
Guide C	12.6
Bearing mounting part Cb	4.4
Basic static load rating (kN)	
Ball Screw Ca	3.5
Guide C	22.7
Bearing mounting part Cb	4.36
Static permissible moment (N·m)	
M _p	181
M _v	215
M _r	500
Gripping force	* 2
Maximum Stroke (mm)	100
Repeated positioning accuracy (mm)	±0.005
Positioning accuracy (mm)	0.035
Running parallelism (mm)	0.025
Backlash (mm)	0.020
Starting torque (N·m)	0.15
Inertia (kg·m ²)	4.90×10 ⁻⁶

* 1) The maximum stroke and block center position may fluctuate depending on the phase of the ball screw.
 * 2) The gripping force depends on the performance of the motor. Please contact us for more information