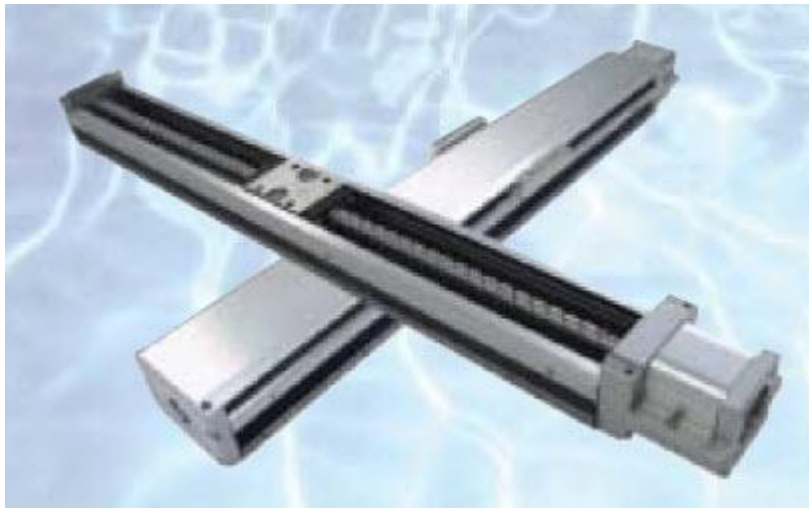




KURODA



THE HIGH SPEED ACTUATOR !

- 12mm Diameter x 20 mm Lead
- 1 or 2 LONG Bearing Blocks
- 60 mm to 510 mm stroke

Contact Us! 800-433-3434 USA
Email info@grp6.com

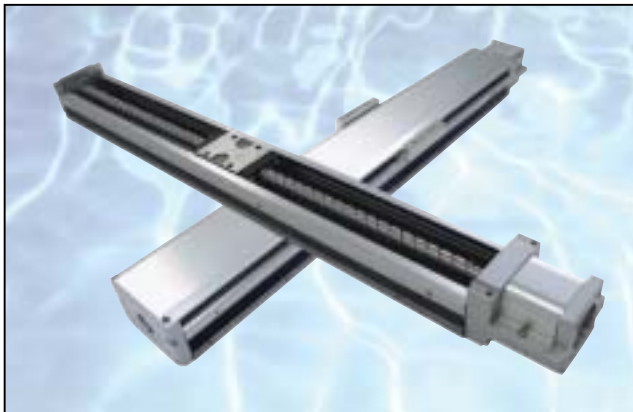


Ballscrew Actuator

SG3320series

12mm Dia.×20mm Lead Ball Screw

Suitable for your High Speed Application!



SPECIFICATIONS

Model No.		Unit	SG3320			
Precision grade		—	H	P		
Radial clearance		μm	-3~0	-7~-3		
Guide block	Basic dynamic load rating	C	kN		12.6	
		Co	kN		22.7	
	Static permissible moment	Mp	N-m		181	
		M2p	N-m		1035	
		My	N-m		215	
		M2y	N-m		1233	
		Mr	N-m		500	
M2r	N-m		1000			
Shaft diameter		mm	12			
Lead		mm	20			
Spacer ball ratio		—	—	1 : 1		
Ball screw	Basic dynamic load rating	Ca	kN		2.32	1.46
	Basic static load rating	Coa	kN		4.05	2.02
Fixed side bearing	Model No. of bearing	—	708ADFP5 or equivalent			
	Basic dynamic load rating	Cb	kN		4.4	
	Basic static load rating	Cob	kN		4.36	

Consult us when using precision grade at short stroke and at high-frequency reciprocation.

SPECIFICATIONS

Model No.	Guide rail length (mm)	Repeated positioning accuracy (μm)		Positioning accuracy (μm)		Traveling parallelism (μm)		Backlash (μm)		*Starting torque (N-m)	
		H	P	H	P	H	P	H	P	H	P
SG3320	150	±3 (±5)	±1 (±3)	30	15	25	10	5	2	0.07	0.15
	200			35	20						
	300			40	25						
	400			35	15						
	500					—	—				
	600			70	—						

PERMISSIBLE SPEED

Model No.	Guide rail length (mm)	Permissible speed (mm/s)
SG3320	150	1500
	200	
	300	
	400	
	500	
	600	

(Note) Measurement is performed with KURODA's specified motor mounted.

Asterisked items (*) indicate a value when the standard grease is used. This value may change depending on the properties of the grease.

Values enclosed in brackets in this table applies to a parallel motor mounting type.

INERTIA

Model No.	Guide rail length (mm)	Number of blocks (Unit: X10 ⁻⁵ kg·mm ²)			
		Without dustproof cover		With dustproof cover	
		1 block	2 blocks	1 block	2 blocks
SG3320	150	0.594	—	0.706	—
	200	0.674	—	0.785	—
	300	0.833	1.150	0.944	1.380
	400	0.991	1.310	1.100	1.530
	500	1.150	1.470	1.260	1.690
	600	1.310	1.630	1.420	1.850

MASS

Model No.	Guide rail length (mm)	Number of blocks (Unit:kg)			
		Without dustproof cover		With dustproof cover	
		1 block	2 blocks	1 block	2 blocks
SG3320	150	1.7	—	1.8	—
	200	2.0	—	2.2	—
	300	2.7	3.0	2.9	3.3
	400	3.4	3.7	3.7	4.1
	500	4.1	4.4	4.4	4.8
	600	4.8	5.1	5.1	5.5

Sectional secondary moment of guide rail

Model No.	Sectional secondary moment of guide rail (mm ⁴)		Mass (kg/100mm)
	Ix (X axis)	Iy (Y axis)	
SG33	5.11X10 ⁴	3.42X10 ⁵	0.600

MASS OF GUIDE BLOCK

Model No.	Without dustproof cover (kg)	With dustproof cover (kg)
SG33	0.30	0.40

The content of catalogue is subject to change without notice for product improvement purposes.

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