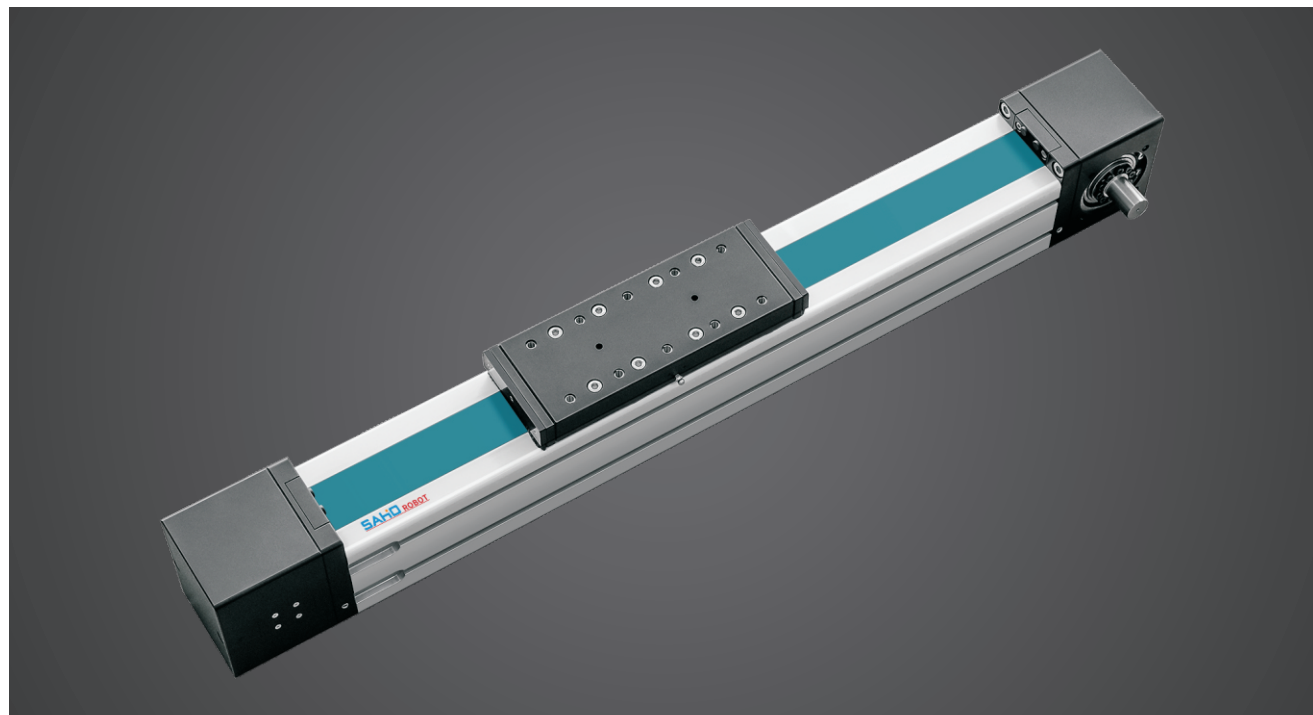




Max. Stroke	5700mm	Max. Speed	5000mm/s	Motor Capacity	1000W	Pitch	224mm	LinearGuideRail	23*22-1 PC
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Ultra-long strokes require segment splicing.

Model Number Designation System

JTG100 - S500 - LK - RK - 750W - BJ

Model

Stroke

Left-Side Drive Shaft

Right-Side Drive Shaft

Servo Motor

Slide Block Length

Custom stroke	1-6000mm
Pitch	50mm

LK	No drive Shaft
LV	Drive shaft on the left side
LH	Drive shaft on the right side
LB	Dual-output drive shaft

RK	No drive Shaft
RV	Drive shaft on the left side
RH	Drive shaft on the right side
RB	Dual-output drive shaft

1	400W
2	750W
3	1000W
H	Stepper motor

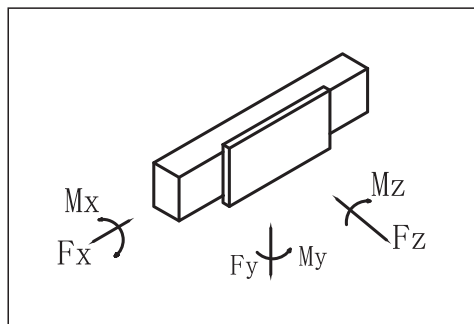
BJ	Standard slide block
DJ	Customized slide block

Product Catalog

Basic Specifications

	Type
	JTG 100 SP
Max. Effective Stroke [mm]*1	5700
Repeated Positioning Precision [mm]*2	±0.05
Max. Speed [m/s]	5.0
Max. Acceleration [m/s ²]	50
Conveyor Belt Type	58 HTD8M
Pulley Type	Z28
Roller Diameter [mm]	71.3
Slide Block Displacement per Revolution [mm]	224
Slide Block Weight [kg]	3.3
Zero-Displacement Rail Weight [kg]	14.9
Rail Weight Increase per 100mm Displacement [kg]	1.6
Starting Torque [Nm]	3.5
Pulley Moment of Inertia [g·mm ²]	2.286·10 ⁶
Guide Rail Size [mm]	25

*1) Through special splicing, the maximum stroke can reach 16m. 2) The repeated positioning precision depends on the transmission type used.



JTG60 - Load Capacity

Type	Fx [N]		Fy [N]		Fz [N]	Mx [Nm]	My [Nm]	Mz [Nm]
	Static	Dynamic	Static	Dynamic	Static	Static	Static	Static
JTG100	4980	3300	129400	58416	129400	1392	11646	11646

For verification under static load and service life data, refer to pages SL-32 and SL-33.

Moment of Inertia of Aluminum Profiles

Type	I _x [10 ⁷ mm ⁴]	I _y [10 ⁷ mm ⁴]	I _p [10 ⁷ mm ⁴]
JTG100	0.446	0.609	1.054

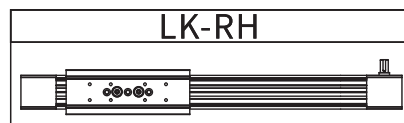
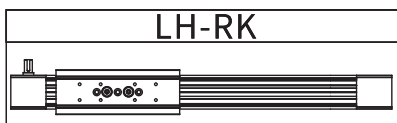
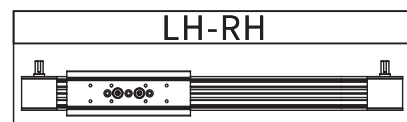
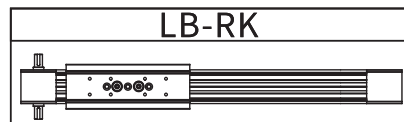
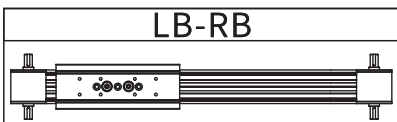
Drive Belt

The drive timing belt is constructed from low-friction polyurethane with steel cord reinforcement for tensile reinforcement.

Type	Belt Type	Belt Width [mm]	Weight [kg/m]
JTG100	58 HTD8M	58	0.41

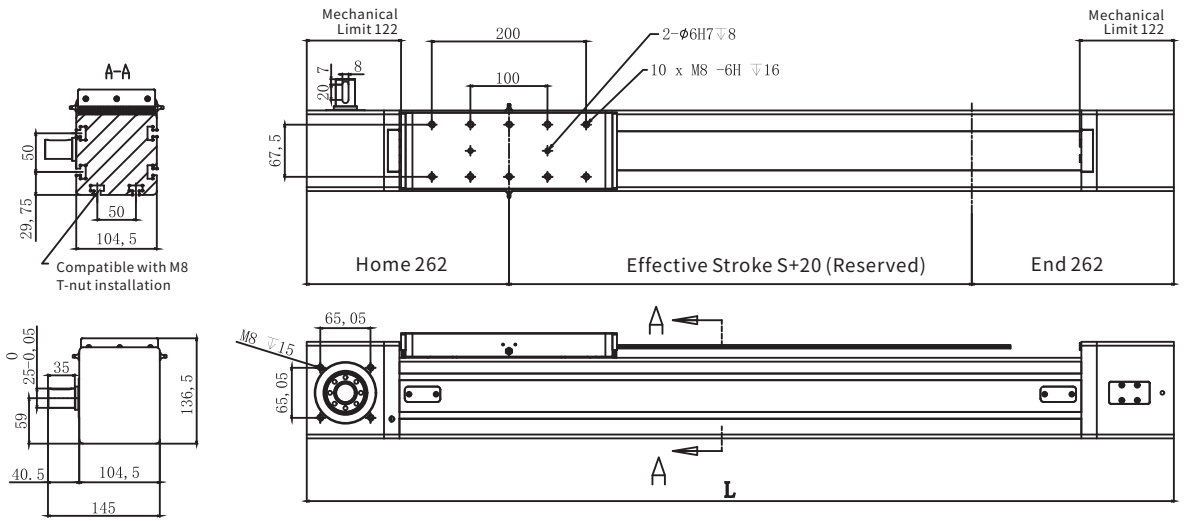
Belt Length (mm) = 2xL-150

List of Shaft Directions



Right-Side Drive Shaft

• Download CAD drawings at www.dgshihai.com •



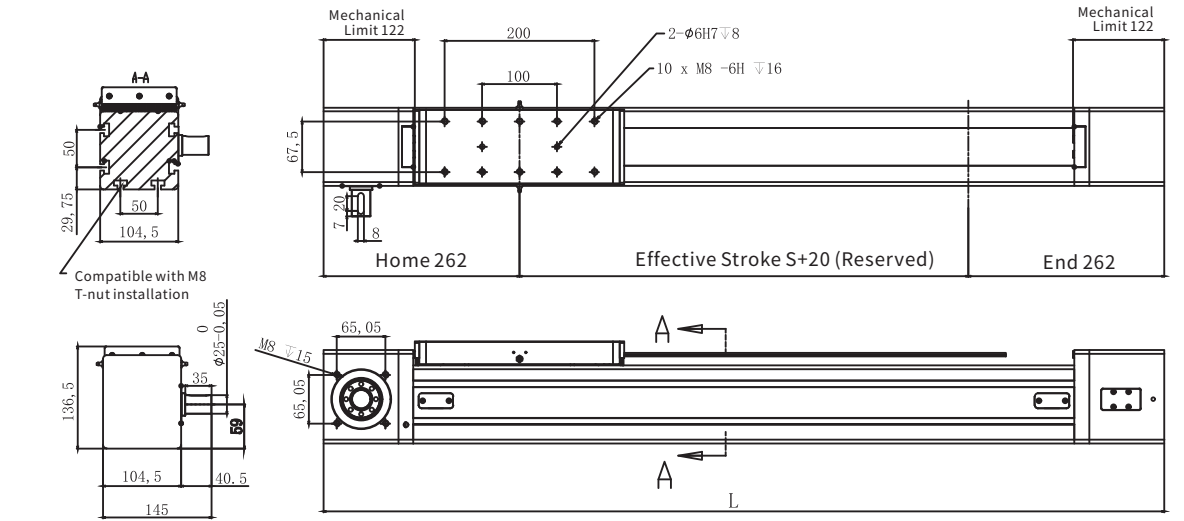
Feed Constant 224

Unit: MM

Effective Stroke	100	200	300	400	500	600	700	800	900	1000	1500	2000	2500	3000	3500	4000	4500	5000	5500
L	644	744	844	944	1044	1144	1244	1344	1444	1544	2044	2544	3044	3544	4044	4544	5044	5544	6044
Weight (KG)	16.5	18.1	19.7	21.3	22.9	24.5	26.1	27.7	29.3	30.9	38.9	46.9	54.9	62.9	70.9	78.9	86.9	94.9	102.9

Left-Side Drive Shaft

• Download CAD drawings at www.dgshihai.com •



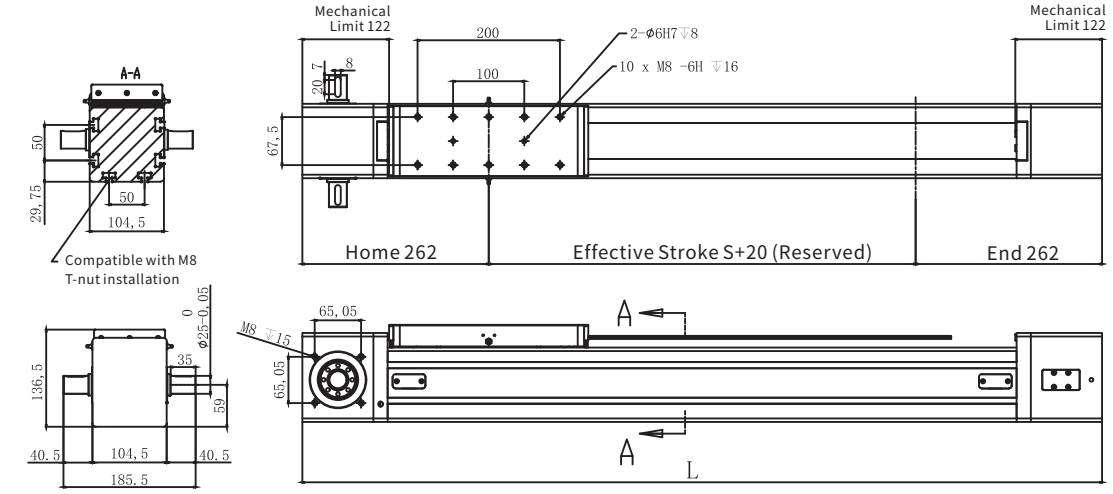
Feed Constant 224

Unit: MM

Effective Stroke	100	200	300	400	500	600	700	800	900	1000	1500	2000	2500	3000	3500	4000	4500	5000	5500
L	644	744	844	944	1044	1144	1244	1344	1444	1544	2044	2544	3044	3544	4044	4544	5044	5544	6044
Weight (KG)	16.5	18.1	19.7	21.3	22.9	24.5	26.1	27.7	29.3	30.9	38.9	46.9	54.9	62.9	70.9	78.9	86.9	94.9	102.9

Double-Sided Drive Shaft

• Download CAD drawings at www.dgshihai.com •



Feed Constant 224

Unit: MM

Effective Stroke	100	200	300	400	500	600	700	800	900	1000	1500	2000	2500	3000	3500	4000	4500	5000	5500
L	644	744	844	944	1044	1144	1244	1344	1444	1544	2044	2544	3044	3544	4044	4544	5044	5544	6044
Weight (KG)	16.5	18.1	19.7	21.3	22.9	24.5	26.1	27.7	29.3	30.9	38.9	46.9	54.9	62.9	70.9	78.9	86.9	94.9	102.9

Mounting Base 2D Drawing

