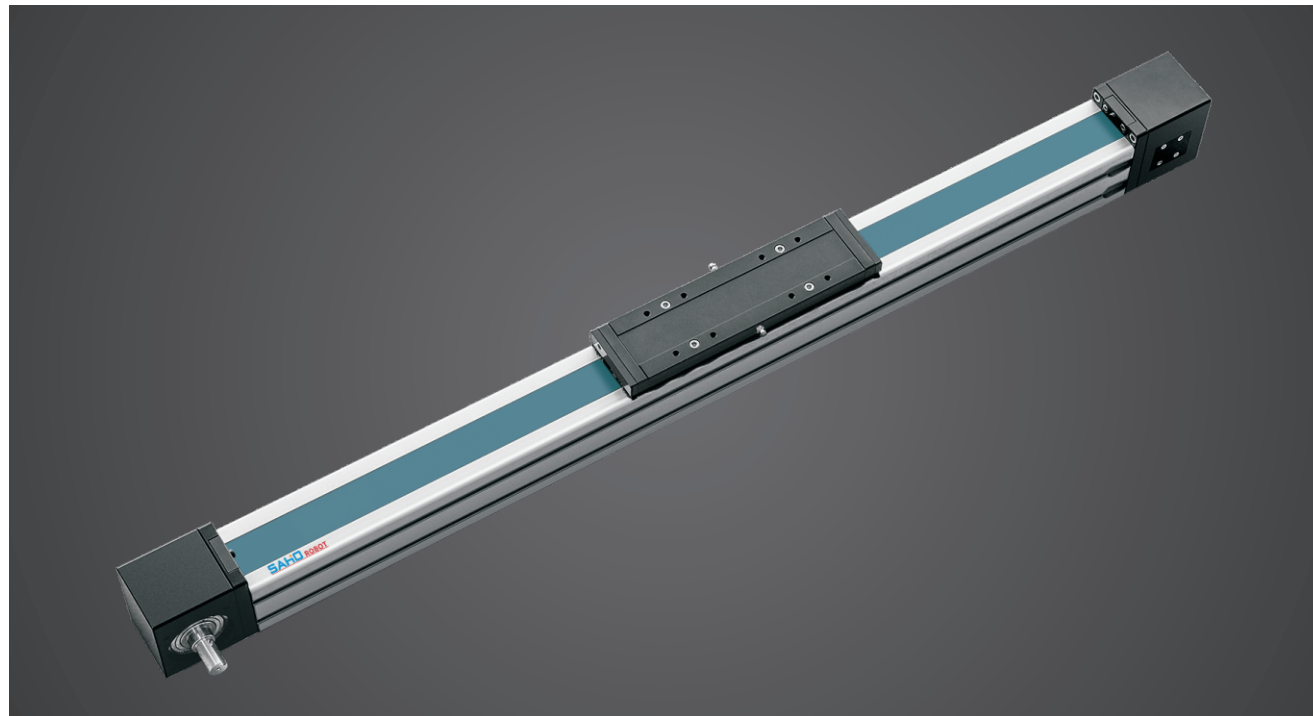




Max. Stroke 5057mm

Max. Speed 3000mm/s

Motor Capacity 750W

Pitch 160mm

LinearGuideRail 15*12.5-1 PC

Ultra-long strokes require segment splicing.

Model Number Designation System

JTG60 - 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

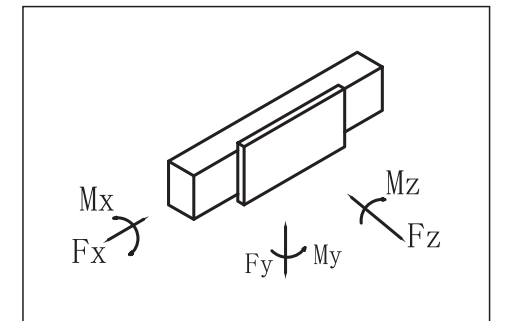
1	400W
2	750W
H	Stepper motor

BJ	Standard slide block
DJ	Customized slide block

Product Catalog

Basic Specifications

	Type
	JTG 60
Max. Effective Stroke [mm]*1	5750
Repeated Positioning Precision [mm]*2	±0.05
Max. Speed [m/s]	3.0
Max. Acceleration [m/s ²]	50
Conveyor Belt Type	25 HTD5M
Pulley Type	Z32
Roller Diameter [mm]	50.93
Slide Block Displacement per Revolution [mm]	160
Slide Block Weight [kg]	1.1
Zero-Displacement Rail Weight [kg]	5.2
Rail Weight Increase per 100mm Displacement [kg]	0.7
Starting Torque [Nm]	1.5
Pulley Moment of Inertia [g·mm ²]	185496
Guide Rail Size [mm]	15



*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	F _x [N]		F _y [N]		F _z [N]	M _x [Nm]	M _y [Nm]	M _z [Nm]
	Static	Dynamic	Static	Dynamic	Static	Static	Static	Static
JTG60	1344	883	484	22541	48400	320	1376	1376

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]
JTG60	0.060	0.086	0.146

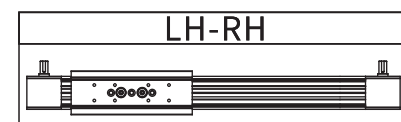
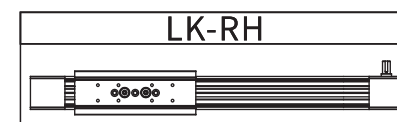
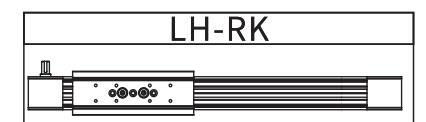
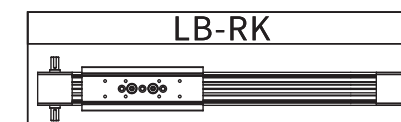
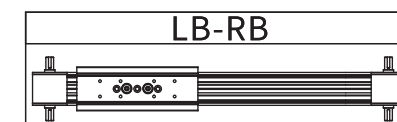
Drive Belt

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]
JTG60	25HTD5M	25	0.12

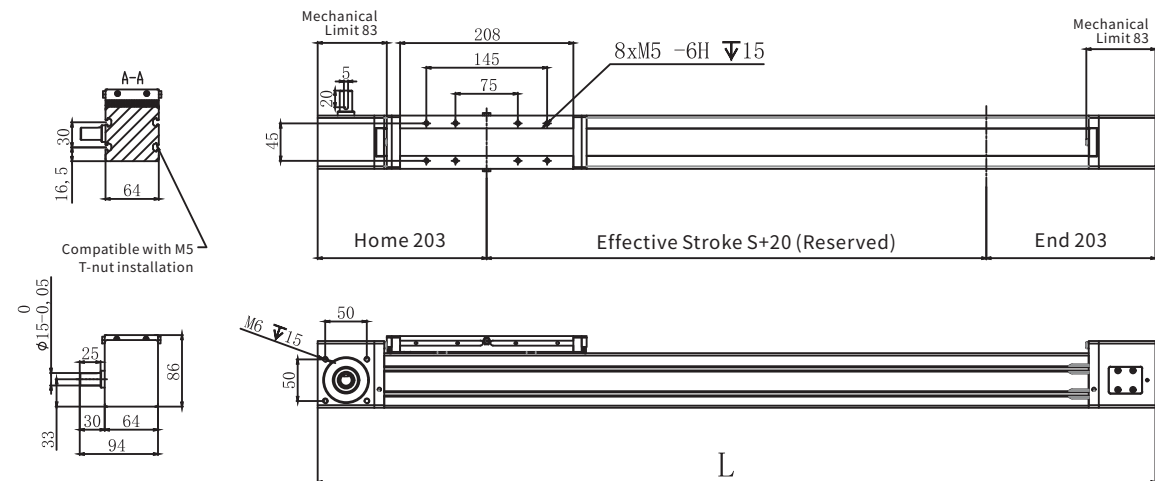
Belt Length (mm) = 2xL-100

List of Shaft Directions



Right-Side Drive Shaft

• Download CAD drawings at www.dgshihai.com •



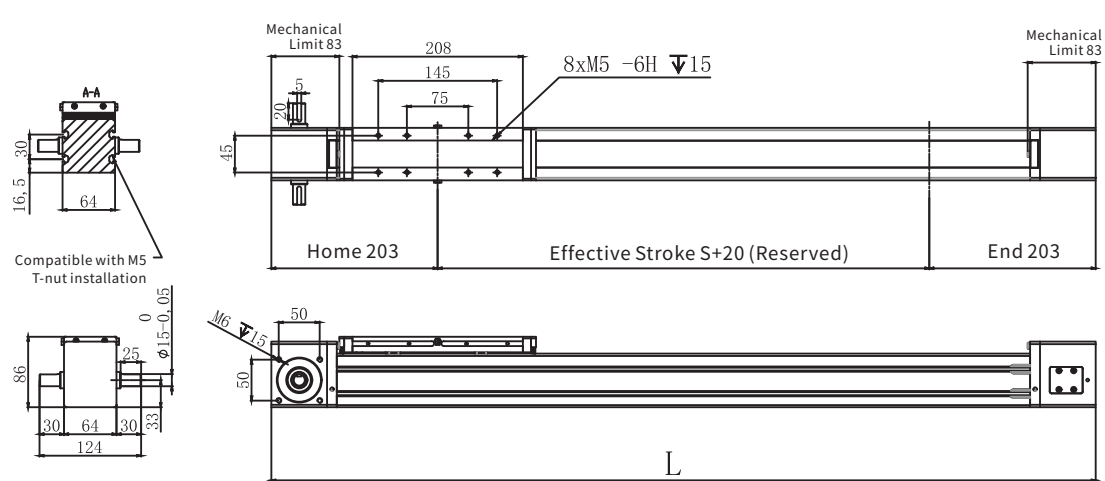
Feed Constant 160

Unit: MM

Effective Stroke	100	200	300	400	500	600	700	800	900	1000	1500	2000	2500	3000	3500	4000	4500	5000	5500
L	526	626	726	826	926	1026	1126	1226	1326	1426	1926	2426	2926	3426	3926	4426	4926	5426	5926
Weight (KG)	5.9	6.6	7.3	8	8.7	9.4	10.1	10.8	11.5	12.2	15.7	19.2	22.7	26.2	29.7	33.2	36.7	40.2	43.7

Double-Sided Drive Shaft

• Download CAD drawings at www.dgshihai.com •



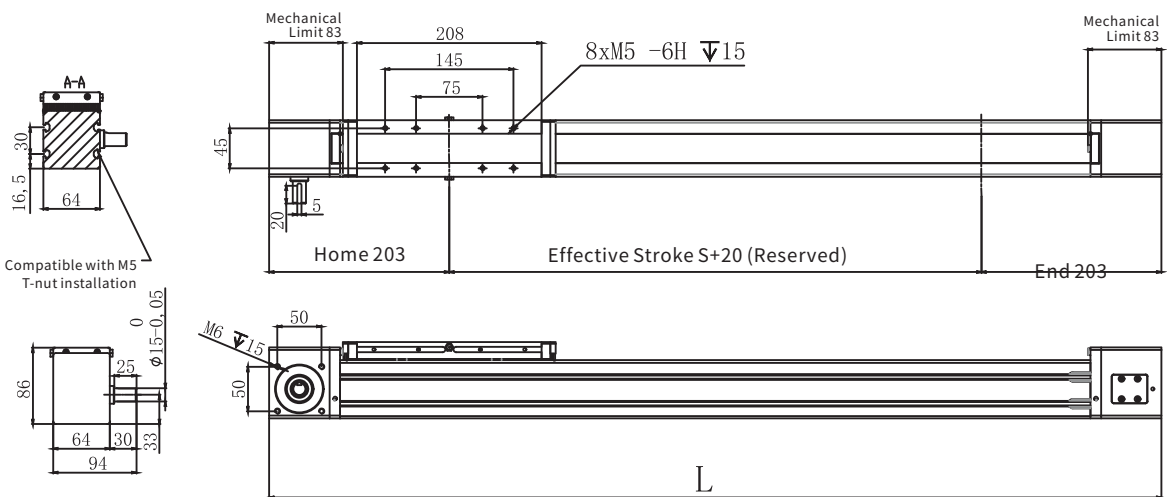
Feed Constant 160

Unit: MM

Effective Stroke	100	200	300	400	500	600	700	800	900	1000	1500	2000	2500	3000	3500	4000	4500	5000	5500
L	526	626	726	826	926	1026	1126	1226	1326	1426	1926	2426	2926	3426	3926	4426	4926	5426	5926
Weight (KG)	5.9	6.6	7.3	8	8.7	9.4	10.1	10.8	11.5	12.2	15.7	19.2	22.7	26.2	29.7	33.2	36.7	40.2	43.7

Left-Side Drive Shaft

• Download CAD drawings at www.dgshihai.com •



Feed Constant 160

Unit: MM

Effective Stroke	100	200	300	400	500	600	700	800	900	1000	1500	2000	2500	3000	3500	4000	4500	5000	5500
L	526	626	726	826	926	1026	1126	1226	1326	1426	1926	2426	2926	3426	3926	4426	4926	5426	5926
Weight (KG)	5.9	6.6	7.3	8	8.7	9.4	10.1	10.8	11.5	12.2	15.7	19.2	22.7	26.2	29.7	33.2	36.7	40.2	43.7

Mounting Base 2D Drawing

