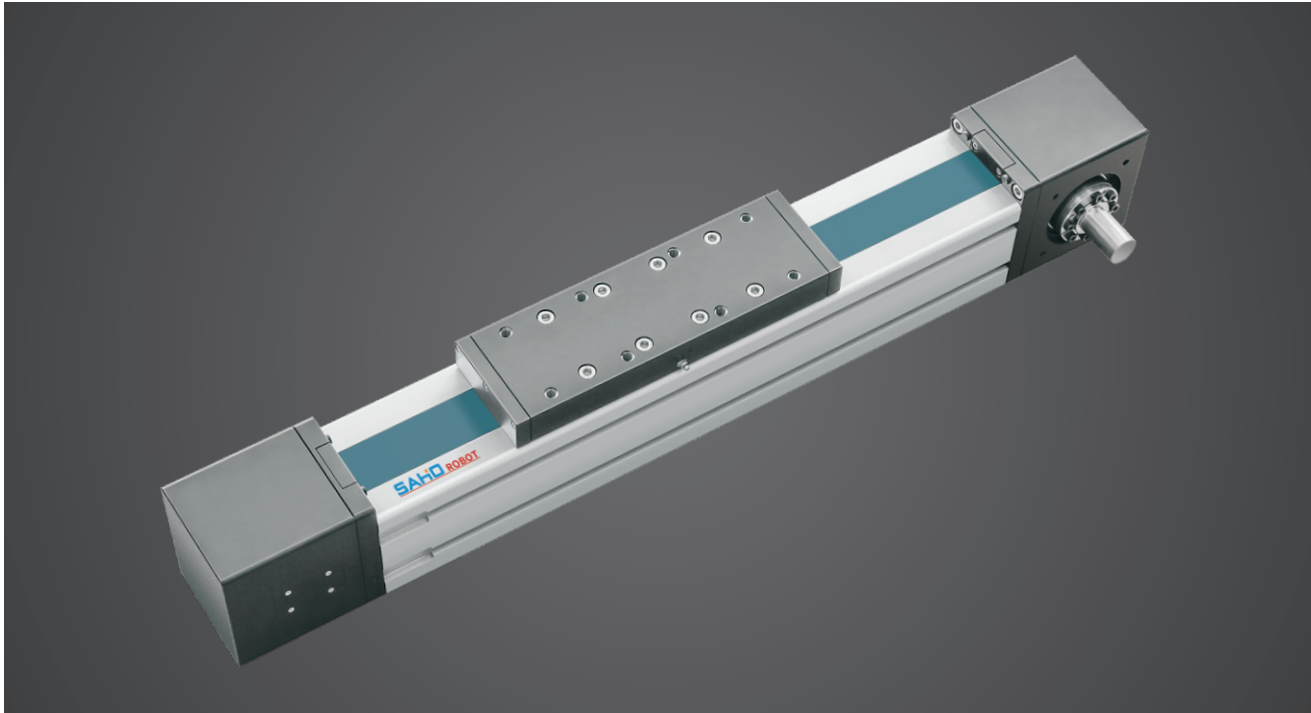




Max. Stroke5640mm

Max. Speed5000mm/S

Motor Capacity1000W

Pitch256mm

LinearGuideRail28*26-1 PC

Ultra-long strokes require segment splicing.

Model Number Designation System

JTG120- 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

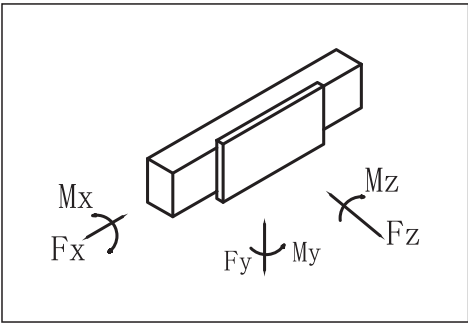
RK	No drive Shaft
RV	Drive shaft on the left side
RH	Drive shaft on the right side
RB	Dual-output drive shaft

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

BJ	Standard slide block
DJ	Customized slide block

Product Catalog

Basic Specifications	
	Type
	JTG 120 SP
Max. Effective Stroke [mm]*1	5900
Repeated Positioning Precision [mm]*2	±0.05
Max. Speed [m/s]	5.0
Max. Acceleration [m/s²]	50
Conveyor Belt Type	65 HTD8M
Pulley Type	Z32
Roller Diameter [mm]	81.53
Slide Block Displacement per Revolution [mm]	256
Slide Block Weight [kg]	5.6
Zero-Displacement Rail Weight [kg]	22.5
Rail Weight Increase per 100mm Displacement [kg]	1.4
Starting Torque [Nm]	3.5
Pulley Moment of Inertia [g·mm²]	2.286·10 ⁶
Guide Rail Size [mm]	30



*1) Through special splicing of ROLLON, the maximum stroke can reach 9000mm. 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
JTG120	8433	3538	216800	77603	216800	2196	20270	20270

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]
JTG120	0.025	0.031	0.056

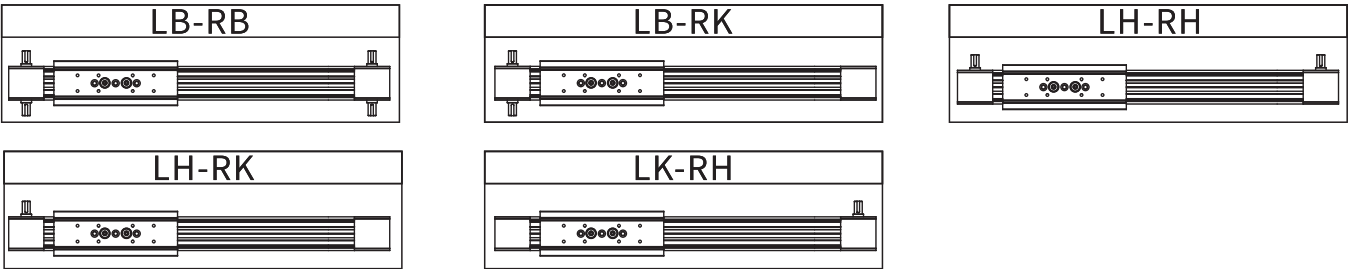
Drive Belt

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]
JTG120	65 HTD8M	65	0.455

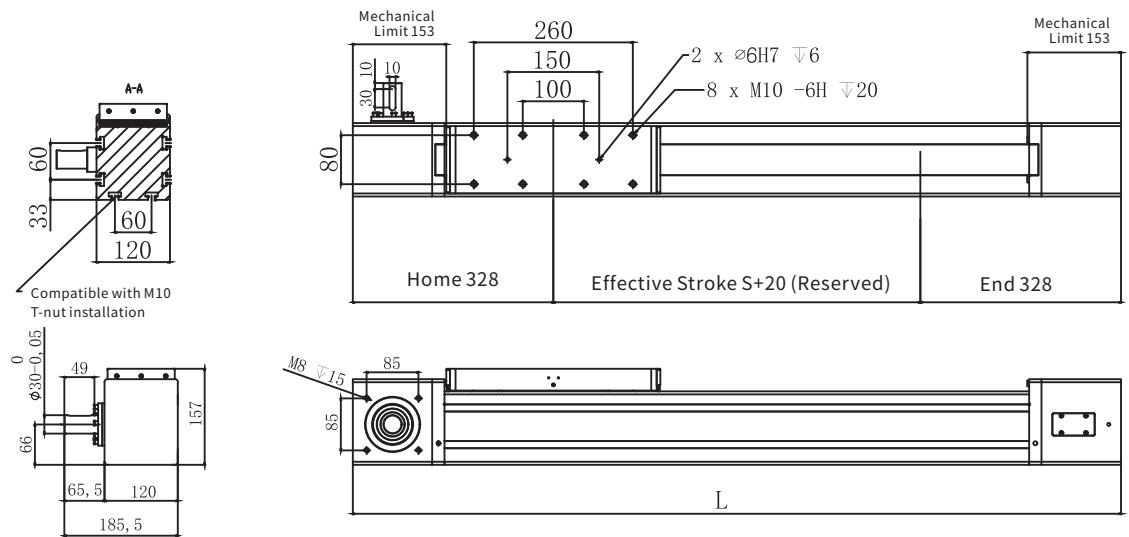
Belt Length (mm) = 2xL-220

List of Shaft Directions



Right-Side Drive Shaft

• Download CAD drawings at www.dgshihai.com •



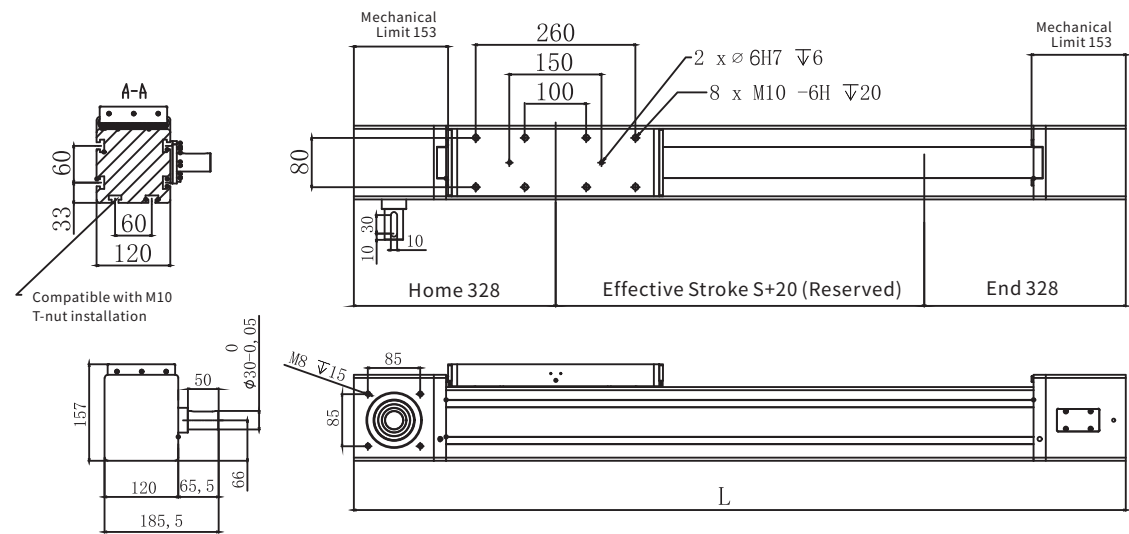
Feed Constant 256

Unit: MM

Effective Stroke	100	200	300	400	500	600	700	800	900	1000	1500	2000	2500	3000	3500	4000	4500	5000	5500
L	776	876	976	1076	1176	1276	1376	1476	1576	1676	2176	2676	3176	3676	4176	4676	5176	5676	6176
Weight(KG)	26.8	28.8	30.8	32.8	34.8	36.8	38.8	40.8	42.8	44.8	54.8	64.8	74.8	84.8	94.8	104.8	114.8	124.8	134.8

Left-Side Drive Shaft

• Download CAD drawings at www.dgshihai.com •



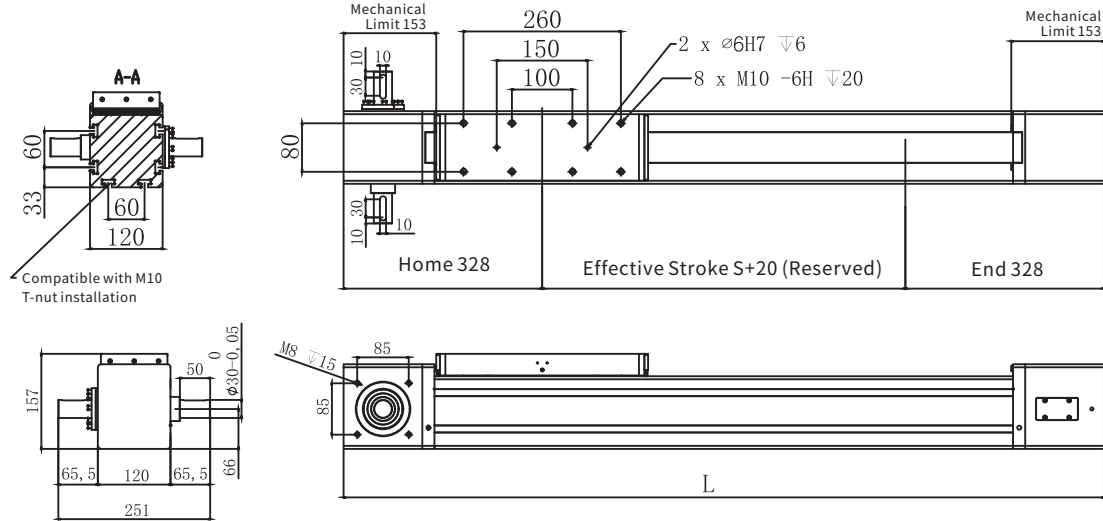
Feed Constant 256

Unit: MM

Effective Stroke	100	200	300	400	500	600	700	800	900	1000	1500	2000	2500	3000	3500	4000	4500	5000	5500
L	776	876	976	1076	1176	1276	1376	1476	1576	1676	2176	2676	3176	3676	4176	4676	5176	5676	6176
Weight(KG)	26.8	28.8	30.8	32.8	34.8	36.8	38.8	40.8	42.8	44.8	54.8	64.8	74.8	84.8	94.8	104.8	114.8	124.8	134.8

Double-Sided Drive Shaft

• Download CAD drawings at www.dgshihai.com •



Feed Constant 256

Unit: MM

Effective Stroke	100	200	300	400	500	600	700	800	900	1000	1500	2000	2500	3000	3500	4000	4500	5000	5500
L	776	876	976	1076	1176	1276	1376	1476	1576	1676	2176	2676	3176	3676	4176	4676	5176	5676	6176
Weight(KG)	26.8	28.8	30.8	32.8	34.8	36.8	38.8	40.8	42.8	44.8	54.8	64.8	74.8	84.8	94.8	104.8	114.8	124.8	134.8

Mounting Base 2D Drawing

