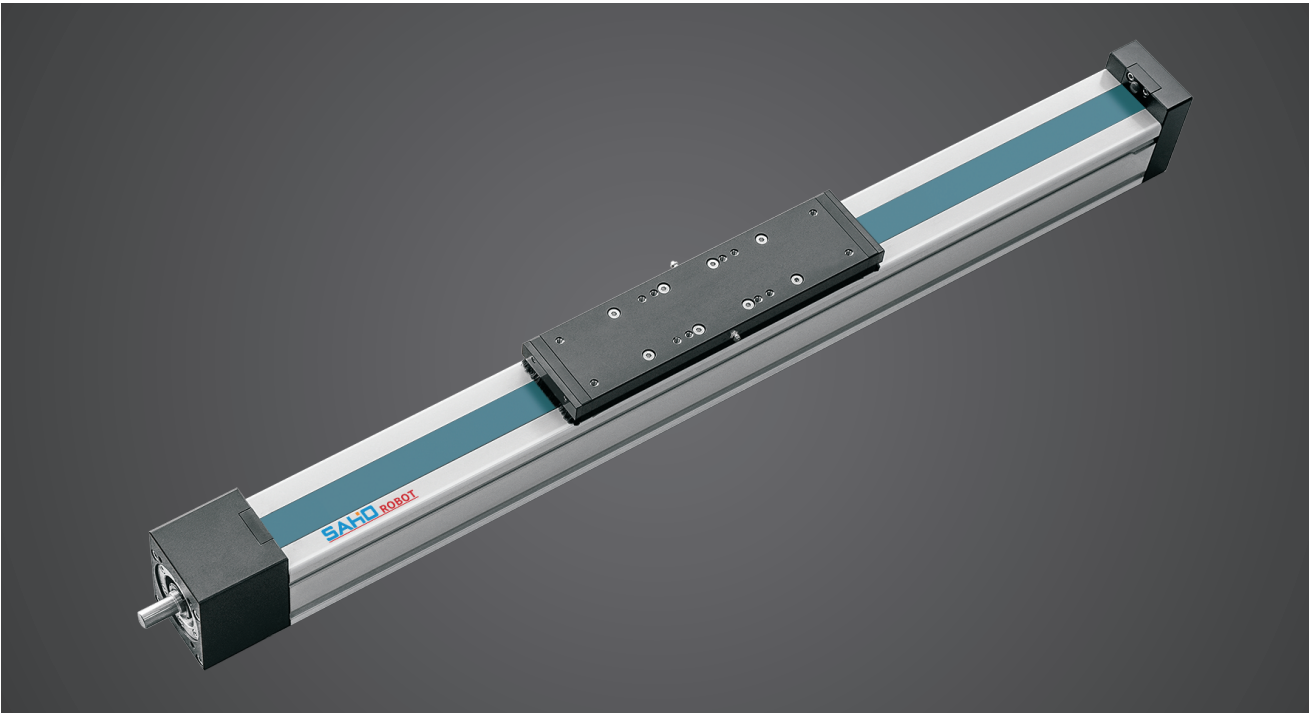




Max. Stroke 3300mm

Max. Speed 1000mm/S

Motor Capacity 750W

Ball Screw $\phi 20$

LinearGuideRail 20*15.2-2 PCS

Ultra-long stroke applications require custom fabrication and segment splicing.

Model Number Designation System

JTS80 - P05- S100-BC- C7 - 100W - BJ

Model

P05	05mm
P10	10mm
P20	20mm

Stroke

100-1300mm
50mm pitch

Motor Position

BC	Externally mounted & direct coupling
BM	Motor on lower side
BR	Motor on right side
BL	Motor on left side

Ball Screw Grade

C7	C7
C5	C5
C3	C3

Servo Motor

1	100W
2	200W
3	400W
4	750W
H	Stepper motor

Slide Block Length

BJ	Standard slide block
DJ	Customized slide block

Product Catalog

Basic Specifications

Performance	Position Repetition Precision		$\pm 0.01/\pm 0.02$			
	Ball Screw Lead		5	10	20	-
	Max. Speed		250	500	1000	-
	Max. Handling Weight	Horizontal Use	90	70	50	-
		Vertical Use	30	25	20	-
Components	Standard Stroke		50-1200mm/50mm pitch (custom fabrication required for extra-long strokes)			
	AC Servo Motor Capacity		750			
	Ball Screw Outer Diameter		$\phi 20$			
	High-rigidity Linear Guide		20 x 15			
	Coupling		LK8-C40-1915			
	Home Sensor	External-mounted	FC-SPX307Z(NPN)			
			LU672-5NA(NPN/PNP)			

Moment of Inertia of Aluminum Substrate

Model	I_x [10 ⁴ mm ⁴]	I_y [10 ⁴ mm ⁴]	I_z [10 ⁴ mm ⁴]
JTS80	0106	0.152	0.258

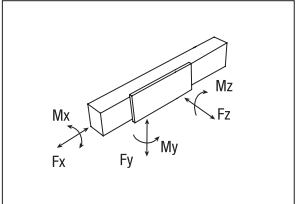
Ball Screw Precision

Model	Max. Positioning Precision [mm/300mm]		Max. Repeated Positioning Precision [mm]	
	ISO 5	ISO 7	ISO 5	ISO 7
JTS80/20-05	0.023	0.05	0.01	0.05
JTS80/20-20	0.023	0.05	0.01	0.05

JTS80 - Load Capacity F.

Model	F_x [N]		
	Ball Screw	Static	Dynamic
JTS80	20-05	5705	4912
	20-05	5705	4912

Refer to the bearing's maximum axial load capacity, not the ball screw's.

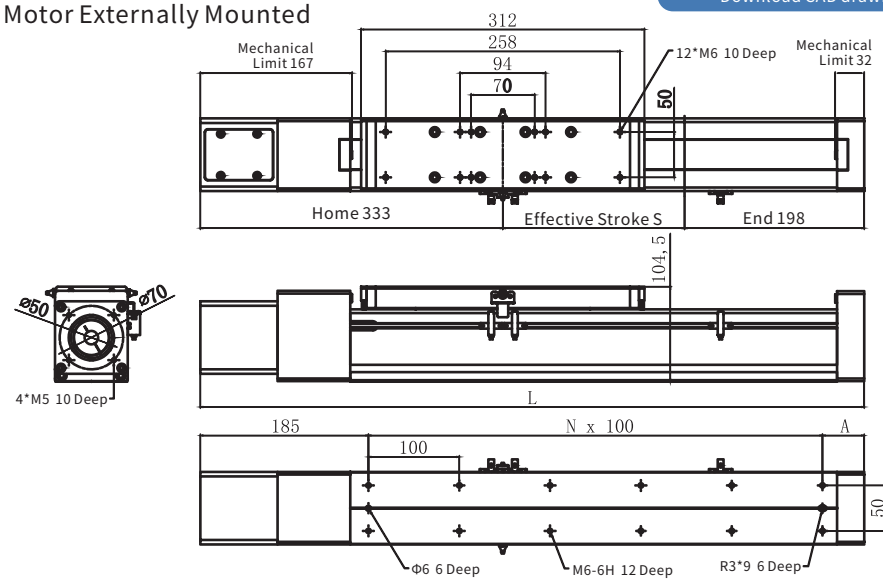


JTS80 Load Capacity

Model	F_x [N]		F_y [N]		M_x [Nm]	M_y [Nm]	M_z [Nm]
	Static	Dynamic	Static	Dynamic	Static	Static	Static
JTS80	59900	34200	59900	34200	646	1573	1573

BC Motor Externally Mounted

• Download CAD drawings at www.dgshihai.com •

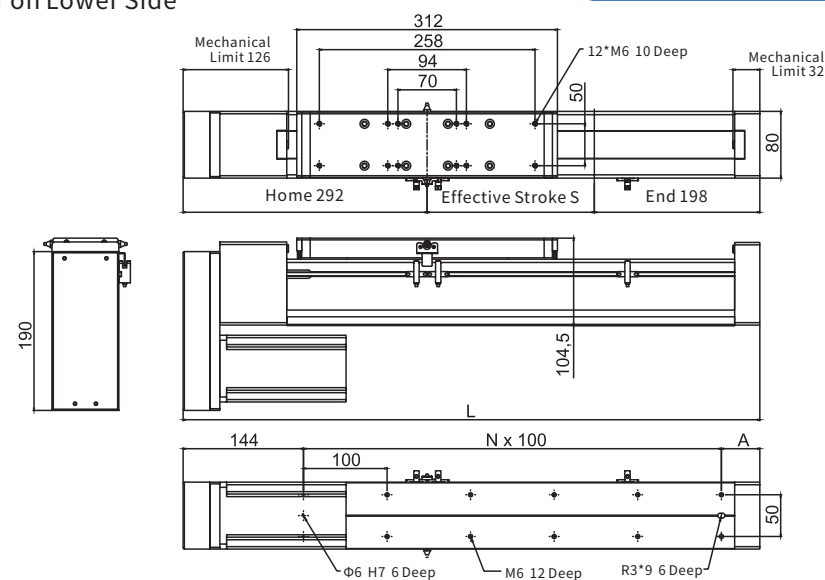


Unit: MM

Effective Stroke	100	150	200	250	300	350	400	450	500	600	700	800	900	1000	1500	2000	2450
L	631	681	731	781	831	881	931	981	1031	1131	1231	1331	1431	1531	Please contact us for extra-long stroke requirements.		
N	4	4	5	5	6	6	7	7	8	9	10	11	12	13			
A	46	96	96	46	96	96	46	46	46	46	46	46	46	46			
Weight(KG)	9.5	9.9	10.3	10.7	11.1	11.5	11.9	12.3	12.7	13.5	14.3	15.1	15.9	16.7			

BM Motor on Lower Side

• Download CAD drawings at www.dgshihai.com •

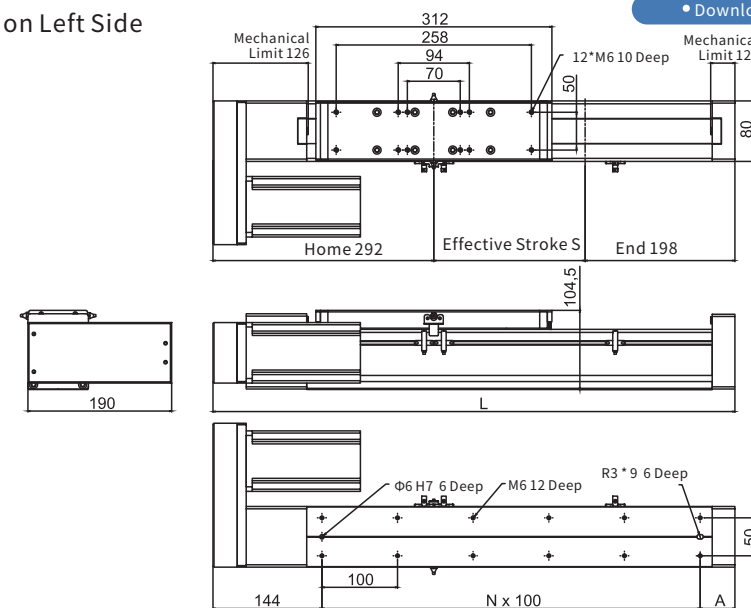


Unit: MM

Effective Stroke	100	150	200	250	300	350	400	450	500	600	700	800	900	1000	1500	2000	2450
L	590	640	690	740	790	840	890	940	990	1090	1190	1290	1390	1490	Please contact us for extra-long stroke requirements.		
N	4	4	5	5	6	6	7	7	8	9	10	11	12	13			
A	46	96	96	46	96	96	46	46	46	46	46	46	46	46			
Weight (KG)	9.5	9.9	10.3	10.7	11.1	11.5	11.9	12.3	12.7	13.5	14.3	15.1	15.9	16.7			

BL Motor on Left Side

• Download CAD drawings at www.dgshihai.com •

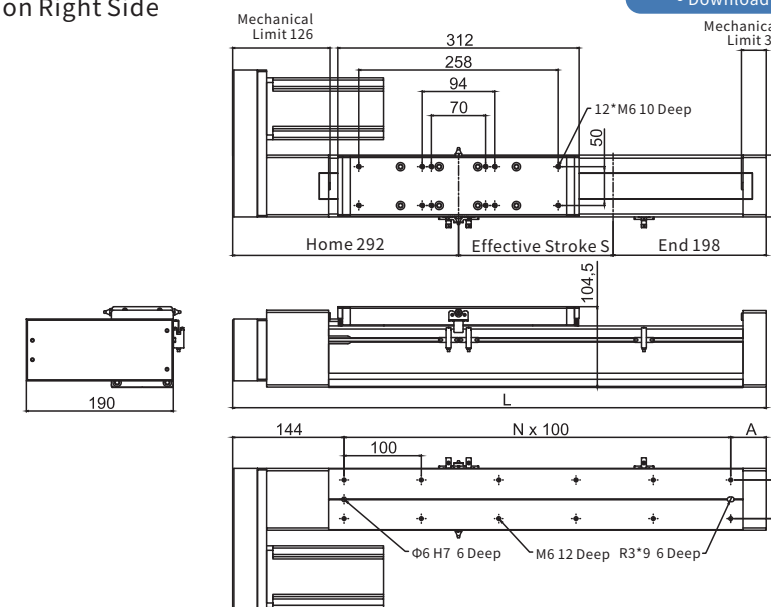


Unit: MM

Effective Stroke	100	150	200	250	300	350	400	450	500	600	700	800	900	1000	1500	2000	2450
L	590	640	690	740	790	840	890	940	990	1090	1190	1290	1390	1490	Please contact us for extra-long stroke requirements.		
N	4	4	5	5	6	6	7	7	8	9	10	11	12	13			
A	46	96	96	46	96	96	46	46	46	46	46	46	46	46			
Weight (KG)	9.5	9.9	10.3	10.7	11.1	11.5	11.9	12.3	12.7	13.5	14.3	15.1	15.9	16.7			

BR Motor on Right Side

• Download CAD drawings at www.dgshihai.com •



Unit: MM

Effective Stroke	100	150	200	250	300	350	400	450	500	600	700	800	900	1000	1500	2000	2450
L	590	640	690	740	790	840	890	940	990	1090	1190	1290	1390	1490	Please contact us for extra-long stroke requirements.		
N	4	4	5	5	6	6	7	7	8	9	10	11	12	13			
A	46	96	96	46	96	96	46	46	46	46	46	46	46	46			
Weight (KG)	9.5	9.9	10.3	10.7	11.1	11.5	11.9	12.3	12.7	13.5	14.3	15.1	15.9	16.7			

