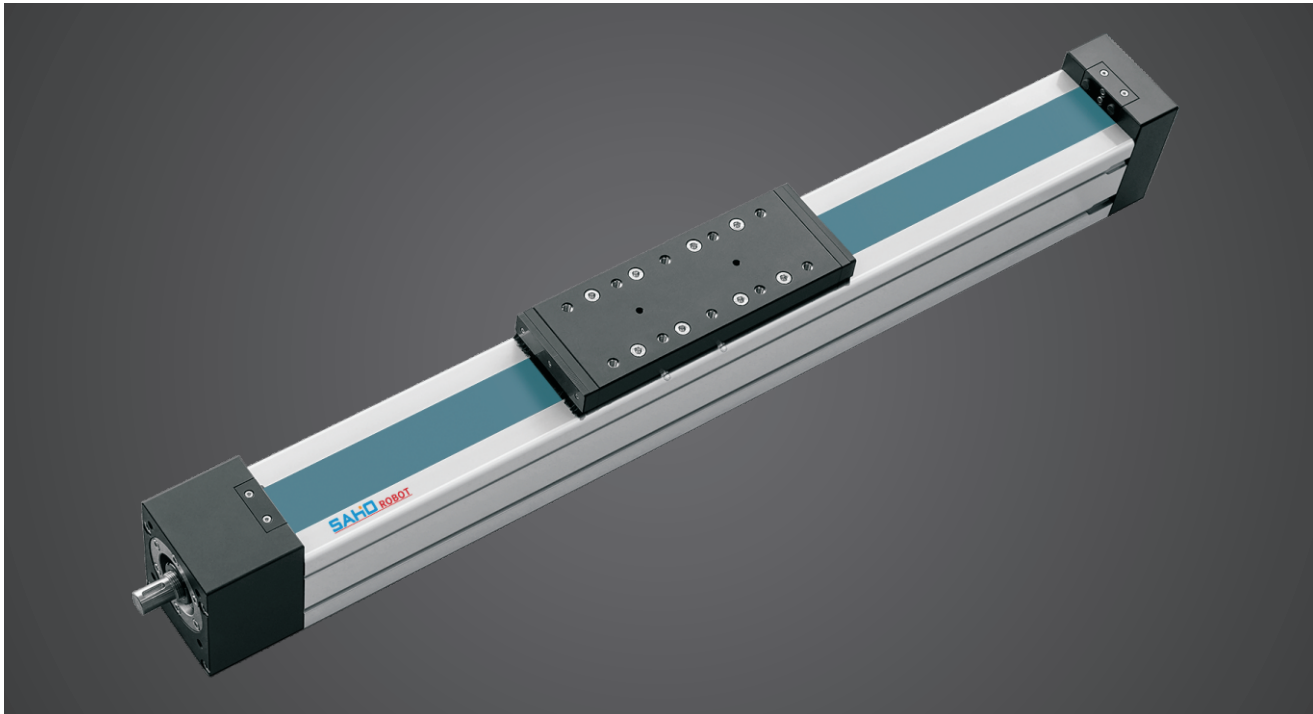




Max. Stroke5500mm

Max. Speed1000mm/S

Motor Capacity750W

Ball Screwφ25

LinearGuide Rail25*15.2-2 PCS

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

Model Number Designation System

JTS100 - P05- S100-BC- C7 - 100W - BJ

Model

Stroke

Lead

Motor Position

Ball Screw Grade

Servo Motor

Slide Block Length

P05	05mm
P10	10mm
P20	20mm

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

C7	C7
C5	C5
C3	C3

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

BJ	Standard slide block
DJ	Customized slide block

Product Catalog

Basic Specifications

Performance	Position Repetition Precision		±0.01/±0.02			
	Ball Screw Lead		5	10	25	-
	Max. Speed		250	500	1250	-
	Max. Handling Weight	Horizontal Use	300	200	150	-
		Vertical Use	200	150	100	-
Components	Standard Stroke		50~1500mm/50mm pitch (custom fabrication required for extra-long strokes)			
	AC Servo Motor Capacity		1000			
	Ball Screw Outer Diameter		φ25			
	High-rigidity Linear Guide		25x18			
	Coupling		LK8-C55-2220			
Home Sensor		External-mounted	LU672-5NA(NPN/PNP)			

Moment of Inertia of Aluminum Substrate

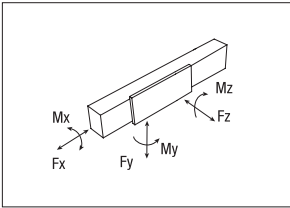
Model	I_x [10 ⁴ mm ⁴]	I_y [10 ⁴ mm ⁴]	I_z [10 ⁴ mm ⁴]
JTS100	0.432	0.594	1.026

Ball Screw Precision

Model	Max. Positioning Precision [mm/300mm]		Max. Repeated Positioning Precision [mm]	
	ISO 5	ISO 7	ISO 5	ISO 7
JTS100/32-05	0.023	0.05	0.01	0.05
JTS100/32-10	0.023	0.05	0.01	0.05
JTS100/32-32	0.023	0.05	0.01	0.05

JTS100 - Load Capacity F.

Model	F _r [N]		
	Ball Screw	Static	Dynamic
JTS100	32-05	11538	8947
	32-10	11538	8947
	32-32	11538	8947

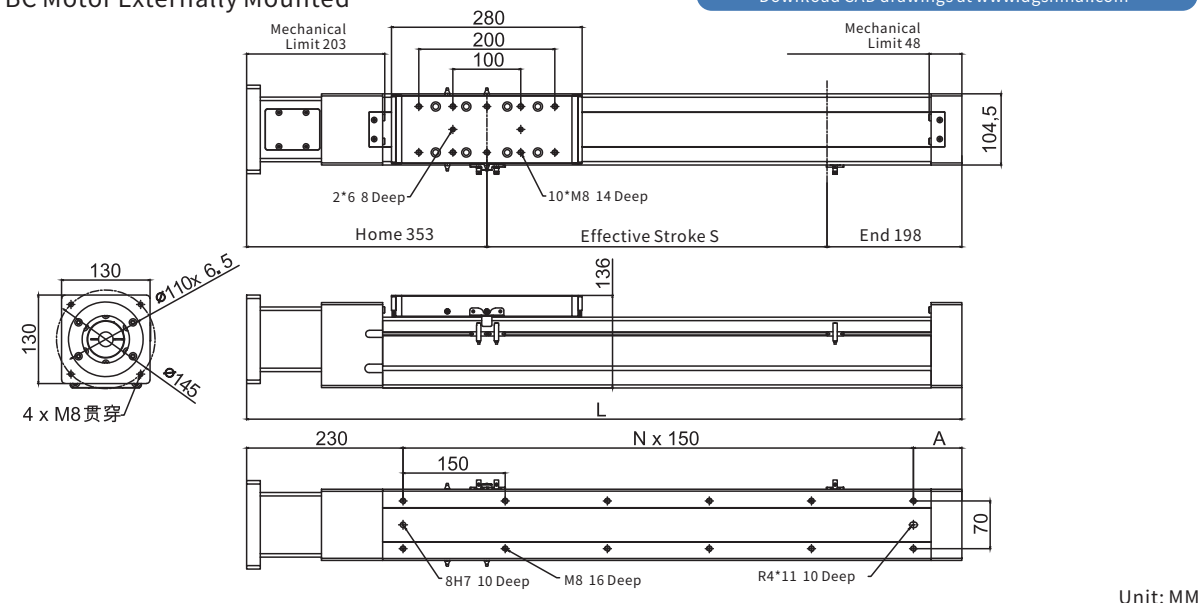


JTS100 Load Capacity

Model	F _r [N]		F _t [N]		M _r [Nm]	M _t [Nm]	M _a [Nm]
	Static	Dynamic	Static	Dynamic	Static	Static	Static
JTS100	85000	49600	85000	49600	1080	2316	2316

BC Motor Externally Mounted

• Download CAD drawings at www.dgshihai.com •

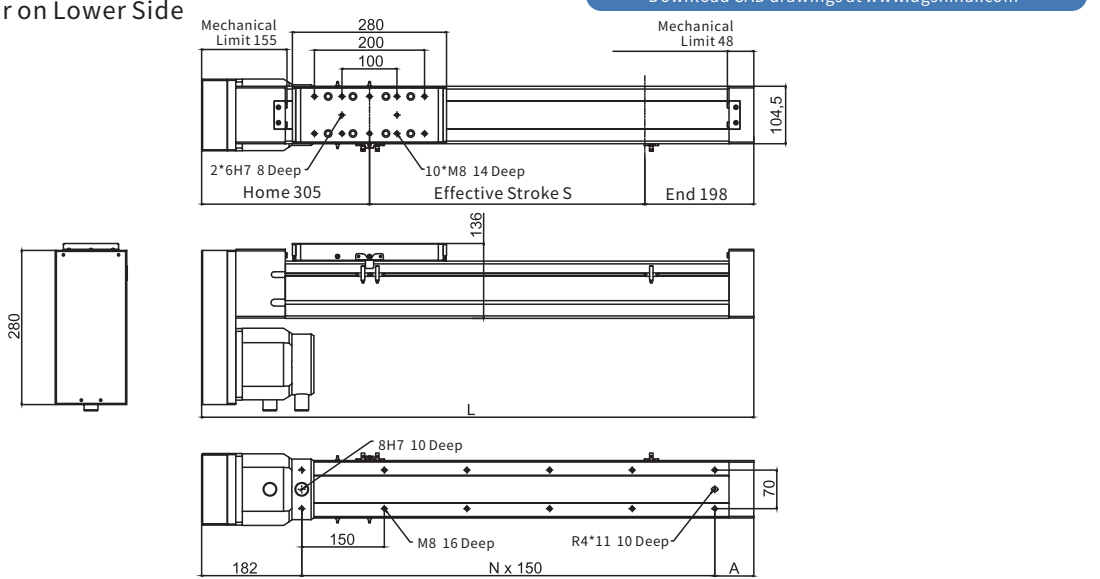


Unit: MM

Effective Stroke	100	150	200	250	300	350	400	450	500	600	700	800	900	1000	1100	1200	1500	2000	3000	4000	5000
L	651	701	751	801	851	901	951	1001	1051	1151	1251	1351	1451	1551	1651	1751	Please contact us for extra-long stroke requirements.				
N	2	2	3	3	3	4	4	4	5	5	6	6	7	7	8	8					
A	121	171	71	121	171	71	121	171	71	171	71	171	71	171	71	171					
Weight (KG)	19	19.8	20.6	21.4	22.2	23	23.8	24.6	25.4	27	28.6	30.2	31.8	33.4	35	36.6					

BM Motor on Lower Side

• Download CAD drawings at www.dgshihai.com •

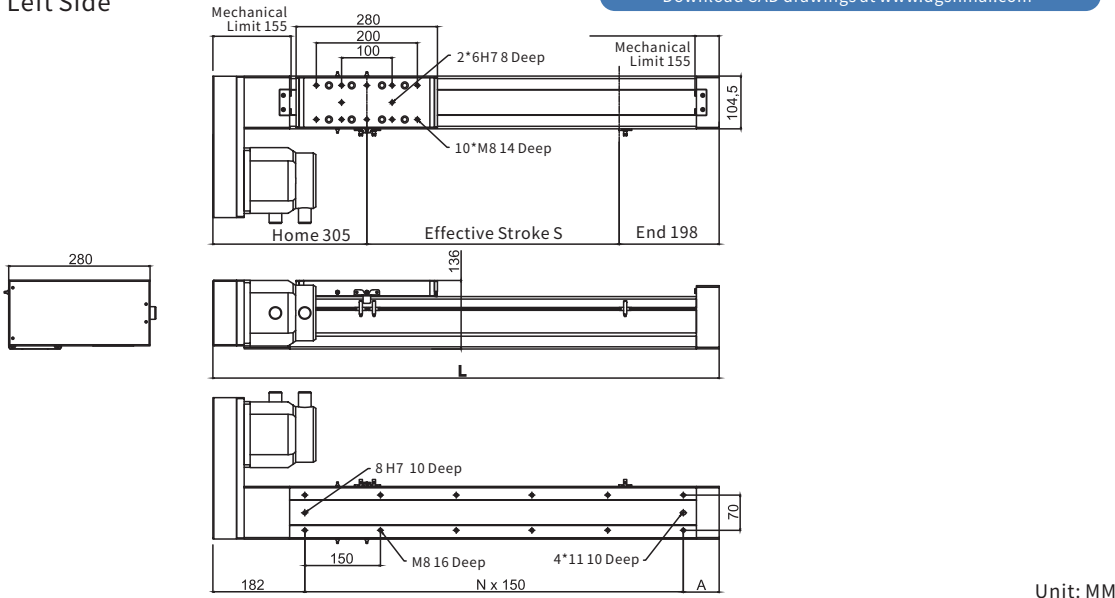


Unit: MM

Effective Stroke	100	150	200	250	300	350	400	450	500	600	700	800	900	1000	1100	1200	1500	2000	3000	4000	5000
L	603	653	703	753	803	853	903	953	1003	1103	1203	1303	1403	1503	1603	1703	Please contact us for extra-long stroke requirements.				
N	2	2	3	3	3	4	4	4	5	5	6	6	7	7	8	8					
A	121	171	71	121	171	71	121	171	71	171	71	171	71	171	71	171					
Weight (KG)	19	19.8	20.6	21.4	22.2	23	23.8	24.6	25.4	27	28.6	30.2	31.8	33.4	35	36.6					

BL Motor on Left Side

• Download CAD drawings at www.dgshihai.com •

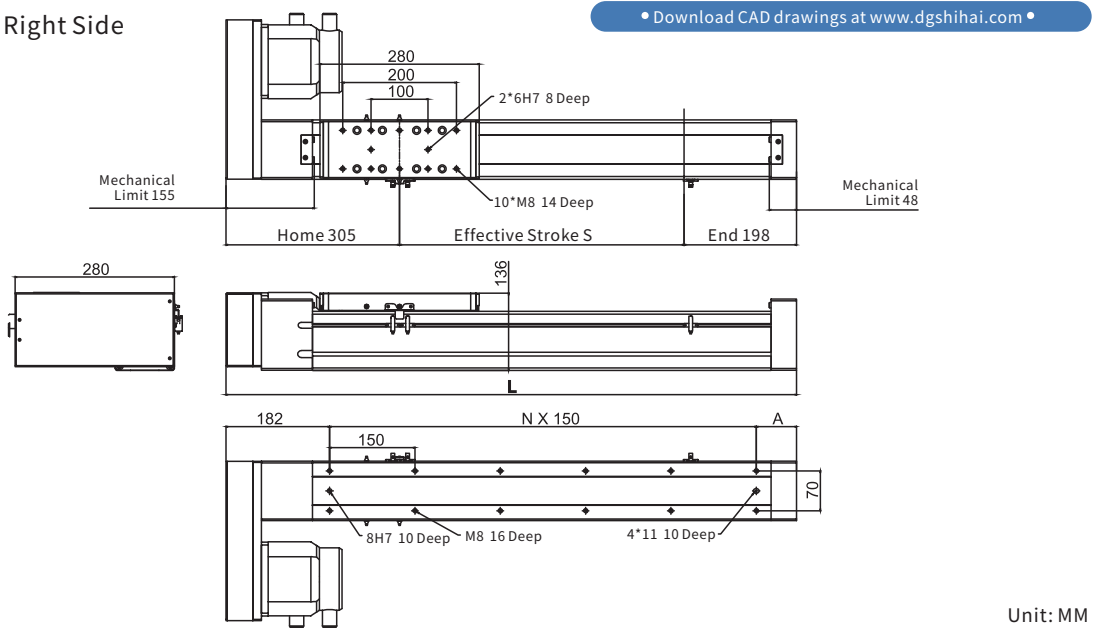


Unit: MM

Effective Stroke	100	150	200	250	300	350	400	450	500	600	700	800	900	1000	1100	1200	1500	2000	3000	4000	5000
L	603	653	703	753	803	853	903	953	1003	1103	1203	1303	1403	1503	1603	1703	Please contact us for extra-long stroke requirements.				
N	2	2	3	3	3	4	4	4	5	5	6	6	7	7	8	8					
A	121	171	71	121	171	71	121	171	71	171	71	171	71	171	71	171					
Weight (KG)	19	19.8	20.6	21.4	22.2	23	23.8	24.6	25.4	27	28.6	30.2	31.8	33.4	35	36.6					

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	1100	1200	1500	2000	3000	4000	5000
L	603	653	703	753	803	853	903	953	1003	1103	1203	1303	1403	1503	1603	1703	Please contact us for extra-long stroke requirements.				
N	2	2	3	3	3	4	4	4	5	5	6	6	7	7	8	8					
A	121	171	71	121	171	71	121	171	71	171	71	171	71	171	71	171					
Weight (KG)	19	19.8	20.6	21.4	22.2	23	23.8	24.6	25.4	27	28.6	30.2	31.8	33.4	35	36.6					