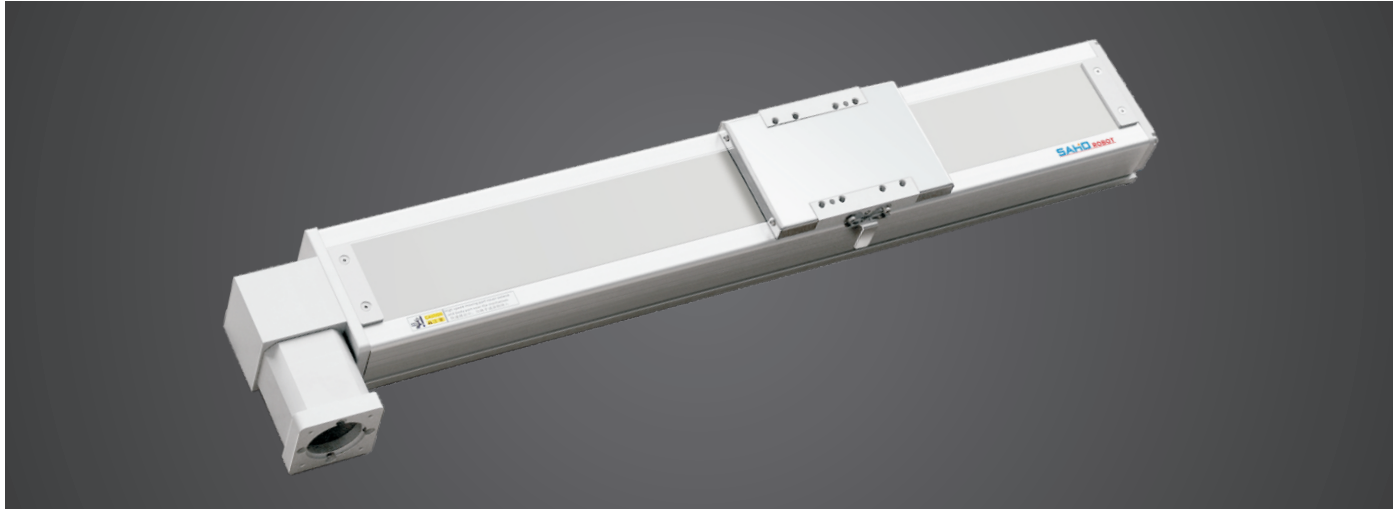


MSTM120

Series



Max. Stroke 2000mm

Max. Speed 2000mm/s

MotorCapacity 750W

Belt Width 25MM

LinearGuideRail 15*12.5-2 PCS

Model Number Designation System

MSTM120 - T - P100 - S500 - R - 400W - BJ

Model

Belt Type

Lead

Stroke

Motor Position

Servo Motor

Slide Block Length

T

X

100mm

500-2000mm
50mm pitch

L

LU

LD

R

RU

RD

1

H

400W

BJ

DJ

Standard slide block

Customized slide block

Basic Specifications

Performance	Position Repetition Precision		±0.04
	Lead		100
	Max. Speed		2000
	Max. Handling Weight	Horizontal Use	40
		Vertical Use	30

Components	Standard Stroke		100~3050mm/50mm pitch
	AC Servo Motor Capacity		750
	Belt Width		25 (5M pitch)
	High-rigidity Linear Guide		15×12.5
	Home Sensor	External-mounted	FC-SPX307Z (NPN)

Allowable Load Moment Table

Horizontal Mounting

Side Mounting

Vertical Mounting

Horizontal Operation

	A	C
20kg	800	600
30kg	700	500
50kg	600	400

	A	C
20kg	500	800
35kg	400	600
-	-	-

	A	C
25kg	500	500
35kg	300	300
-	-	-

MY	750(N.m)
MP	750(N.m)
MR	680(N.m)

L Motor on left side

Download CAD drawings at www.dgshihai.com

Effective Stroke	100	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000
L	441	541	641	741	841	941	1041	1141	1241	1341	1441	1541	1641	1741	1841	1941	2041	2141	2241	2341
C	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71
N	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
M	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	42	44	46
Weight(KG)	6.6	7.4	8.2	9	9.8	10.6	11.4	12.2	13	13.8	14.6	15.4	16.2	17	17.8	18.6	19.4	20.2	21	21.8

Unit: MM

LU Motor on upper left side

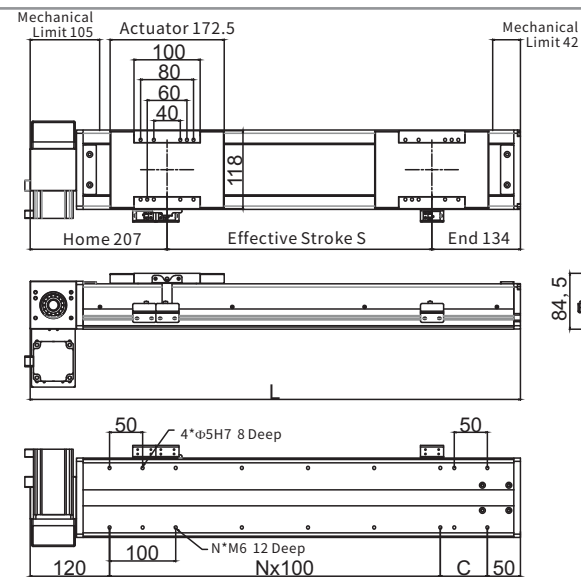
Download CAD drawings at www.dgshihai.com

Effective Stroke	100	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000
L	441	541	641	741	841	941	1041	1141	1241	1341	1441	1541	1641	1741	1841	1941	2041	2141	2241	2341
C	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71
N	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
M	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	42	44	46
Weight(KG)	6.6	7.4	8.2	9	9.8	10.6	11.4	12.2	13	13.8	14.6	15.4	16.2	17	17.8	18.6	19.4	20.2	21	21.8

Unit: MM

MSTM120 Series

▶ Belt Drive Actuators / Clean Room

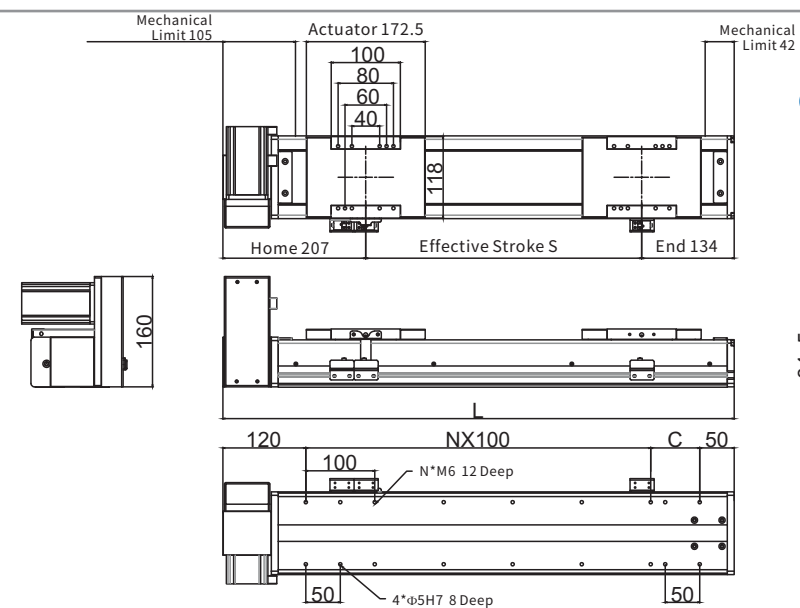


LD Motor on lower left side

Download CAD drawings at www.dgshihai.com

Unit: MM

Effective Stroke	100	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000
L	441	541	641	741	841	941	1041	1141	1241	1341	1441	1541	1641	1741	1841	1941	2041	2141	2241	2341
C	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71
N	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
M	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	42	44	46
Weight(KG)	6.6	7.4	8.2	9	9.8	10.6	11.4	12.2	13	13.8	14.6	15.4	16.2	17	17.8	18.6	19.4	20.2	21	21.8

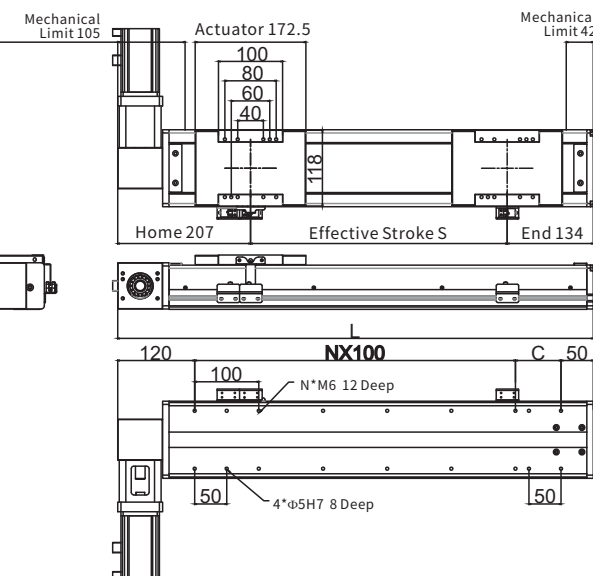


RU Motor on upper right side

Download CAD drawings at www.dgshihai.com

Unit: MM

Effective Stroke	100	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000
L	441	541	641	741	841	941	1041	1141	1241	1341	1441	1541	1641	1741	1841	1941	2041	2141	2241	2341
C	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71
N	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
M	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	42	44	46
Weight(KG)	6.6	7.4	8.2	9	9.8	10.6	11.4	12.2	13	13.8	14.6	15.4	16.2	17	17.8	18.6	19.4	20.2	21	21.8

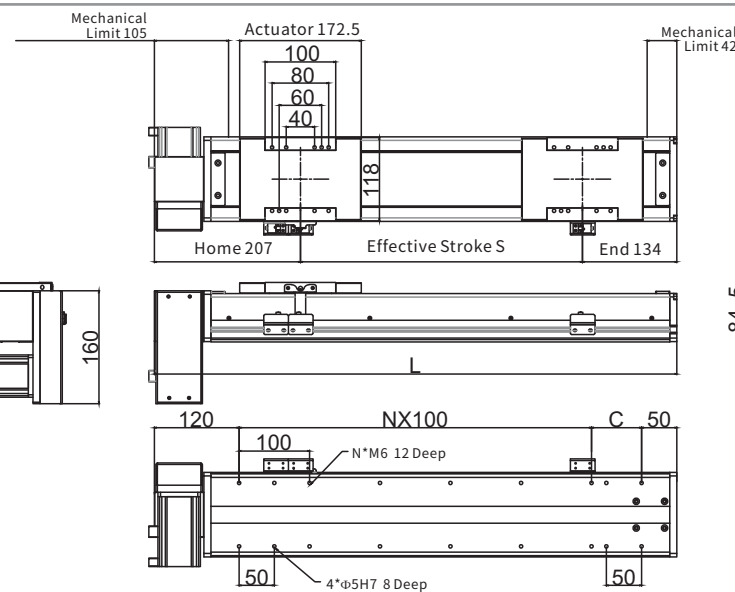


R Motor on right side

Download CAD drawings at www.dgshihai.com

Unit: MM

Effective Stroke	100	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000
L	441	541	641	741	841	941	1041	1141	1241	1341	1441	1541	1641	1741	1841	1941	2041	2141	2241	2341
C	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71
N	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
M	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	42	44	46
Weight(KG)	6.6	7.4	8.2	9	9.8	10.6	11.4	12.2	13	13.8	14.6	15.4	16.2	17	17.8	18.6	19.4	20.2	21	21.8



RD Motor on lower right side

Download CAD drawings at www.dgshihai.com

Unit: MM

Effective Stroke	100	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000
L	441	541	641	741	841	941	1041	1141	1241	1341	1441	1541	1641	1741	1841	1941	2041	2141	2241	2341
C	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71
N	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
M	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	42	44	46
Weight(KG)	6.6	7.4	8.2	9	9.8	10.6	11.4	12.2	13	13.8	14.6	15.4	16.2	17	17.8	18.6	19.4	20.2	21	21.8