

STM120 Series

► Belt Drive Actuators / General Environments



Max. Stroke 2000mm

Max. Speed 2000 mm/s

MotorCapacity 750W

Belt Width 25MM

LinearGuideRail 15*12.5-2 PCS

Model Number Designation System

STM120 - T - P100 - S500 - L - 200W - BJ - A

Model

Belt Type

T PU belt with steel cord reinforcement

X Rubber belt

Lead

100mm

Stroke

500-2000mm

50mm pitch

Motor Connection Type

L Motor on left side

LU Motor on upper left side

LD Motor on lower left side

R Motor on right side

RU Motor on upper right side

RD Motor on lower right side

Servo Motor

1 200W

2 400W

H Stepper motor

Slide Block Length

BJ Standard slide block

DJ Customized slide block

Mounting

A Threaded mounting

B Holed mounting

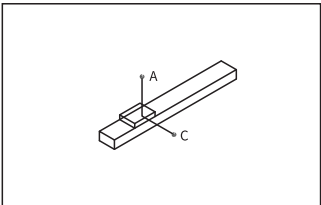
Product Catalog

Basic Specifications

Performance	Position Repetition Precision		±0.04	
	Lead		100	
	Max. Speed		2000	
	Max. Handling Weight	Horizontal Use	50	
		Vertical Use	30	

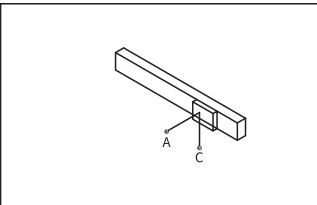
Components	Standard Stroke		100-2000mm/50mm pitch	
	AC Servo Motor Capacity		750	
	Belt Width		25 (5M pitch)	
	High-rigidity Linear Guide		15×12.5	
	Home Sensor	External-mounted	FC-SPX307Z(NPN)	

Allowable Load Moment Table



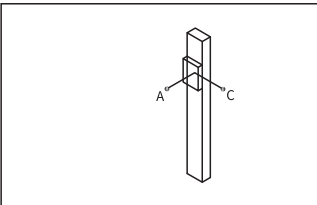
(Unit: mm)

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



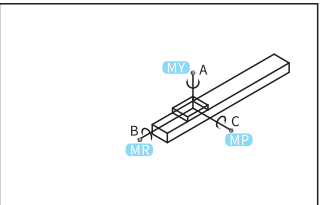
(Unit: mm)

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



(Unit: mm)

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



Horizontal Operation (Unit: N.m)

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

Mechanical Limit 111

Actuator 120

Mechanical Limit 62

2*Φ5H7 10 Deep

4*M6 12 Deep

Home 182

Effective Stroke S

End 127

100

118

130

L

110

Nx100

C

60

NxΦ6.5

150

150

86

120

4*Φ5H7 10 Deep

Nx100

150

74

120

Download CAD drawings at www.dgshihai.com

L Motor on left side

R Motor on right side

LU Motor on upper left side

RU Motor on upper right side

LD Motor on lower left side

RD Motor on lower right side

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	409	509	609	709	809	909	1009	1109	1209	1309	1409	1509	1609	1709	1809	1909	2009	2109	2209	2309
C	139	139	139	139	139	139	139	139	139	139	139	139	139	139	139	139	139	139	139	139
N	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
M	6	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	42	44
Weight (KG)	6.4	7.2	8	8.8	9.6	10.4	11.2	12	12.8	13.6	14.2	15	15.8	16.6	17.4	18.2	19	19.8	20.6	21.4