STM175 Series

Belt Drive Actuators / General Environments

Max. Stroke 4000mm | Max. Speed 2000 mm/s | Motor Capacity 1000W | Belt Width 40MM | LinearGuideRail 20*15-2 PCS

Model Number Designation System

STM175- T - P150 -S500 - L - 750W - BJ

- Model
- Belt Type
- Lead
- Stroke
- Motor Connection Type
- Servo Motor
- Slide Block Length

Belt Type

T	PU belt with steel cord reinforcement
X	Rubber belt

Lead

150mm

Stroke

100-4000mm
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	750W
2	1000W
H	Stepper motor

Slide Block Length

BJ	Standard slide block
DJ	Customized slide block

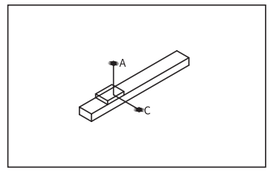
Product Catalog

Basic Specifications

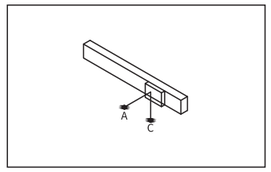
Performance	Position Repetition Precision		±0.04
	Lead		150
	Max. Speed		2000
	Max. Handling Weight	Horizontal Use	150
		Vertical Use	80

Components	Standard Stroke		100-4000mm/50mm pitch
	AC Servo Motor Capacity		1000
	Belt Width		40 (5M pitch)
	High-rigidity Linear Guide		20×15
	Home Sensor	External-mounted	FC-SPX307Z(NPN)

Allowable Load Moment Table



(Unit: mm)



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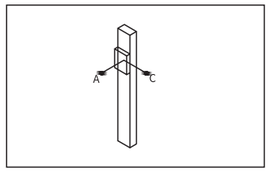

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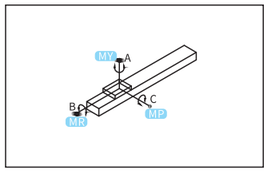


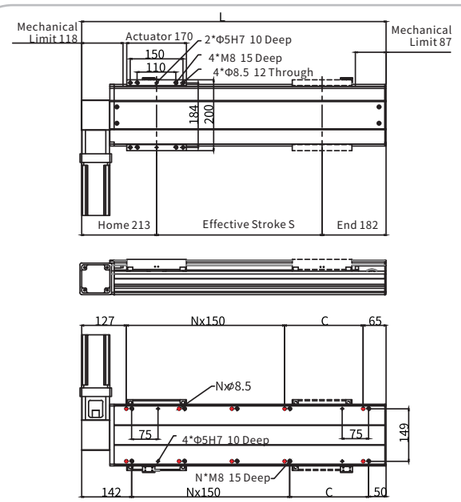
Horizontal Operation (Unit: N.m)

Horizontal Mounting	A	C
40KG	800	600
60KG	700	500
80KG	600	400

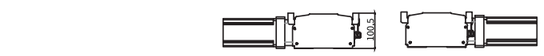
Side Mounting	A	C
40KG	600	800
50kg	500	700
80kg	400	600

Vertical Mounting	A	C
30kg	700	500
80kg	400	300
-	-	-

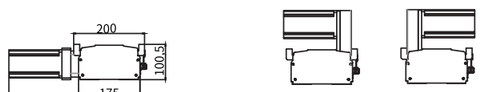
MY	750(N.m)
MP	750(N.m)
MR	680(N.m)



Download CAD drawings at www.dgshihai.com

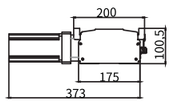


L Motor on left side R Motor on right side



LU Motor on upper left side RU Motor on upper right side

LD Motor on lower left side RD Motor on lower right side



L Motor on left side

Unit: MM

Effective Stroke	100	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	2000	2500	3000	3500	4000
L	495	595	695	795	895	995	1095	1195	1295	1395	1495	1595	1695	1795	1895	2395	2895	3395	3895	4395
C	153	103	203	153	103	203	153	103	203	153	103	203	153	103	203	103	203	103	103	253
N	1	2	2	3	4	4	5	6	6	7	8	8	9	10	10	11	12	12	13	14
Weight (KG)	11	12.6	14.2	15.8	17.4	19	20.6	22.2	23.8	25.4	27	28.6	30.2	31.8	33.4	41.4	49.4	57.4	65.4	73.4