



Max. Stroke 12000mm

Max. Speed 1500mm/s

Motor Capacity 400W

Pitch 102mm

Linear Guide 12*7.5 - 1 PC

Model Number Designation System

MTG45 - S500 - LK - RK - 100W - BJ

Model

Stroke

Left-Side Drive Shaft

Right-Side Drive Shaft

Servo Motor

Slide Block Length

Custom stroke 1-6000mm

LK	No drive Shaft
LV	Drive shaft on the left side
LH	Drive shaft on the right side
LB	Dual-output drive shaft

RK	No drive Shaft
RV	Drive shaft on the left side
RH	Drive shaft on the right side
RB	Dual-output drive shaft

1	200W
2	400W
H	Stepper motor

BJ	Standard slide block
DJ	Customized slide block

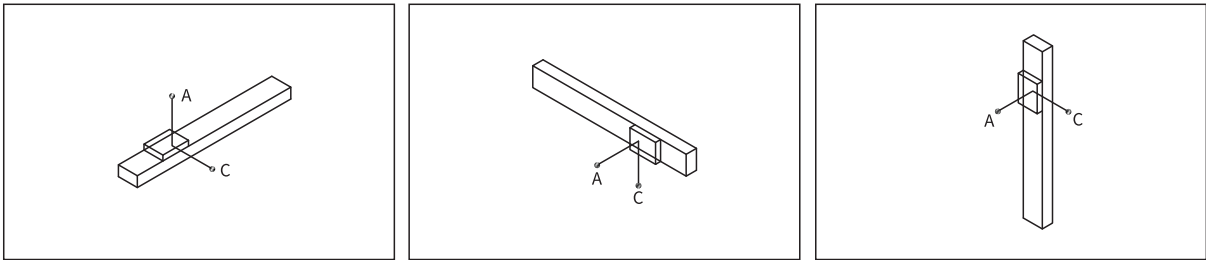
Product Catalog

Basic Specifications

Performance	Position Repetition Precision		±0.05
	Lead (travel distance per pulley revolution)		102mm
	Max. Speed		1.5m/s
	Max. Handling Weight	Horizontal Use	15kg
		Vertical Use	10kg
Components	Standard Stroke		Custom stroke up to 12000mm
	Timing Belt Model		HTD3m
	Timing Belt Width		19mm
	Timing Belt Pitch		3mm
	Max. Working Tension of Timing Belt		260N
	Home Sensor	External-mounted	FC-SPX303Z(NPN)
			LU672-5NA(NPN)

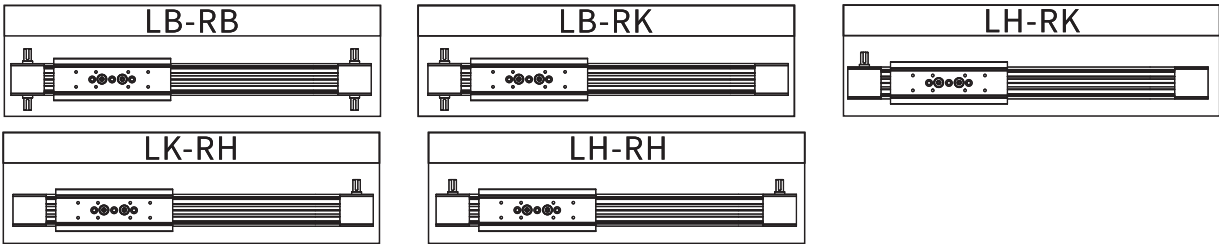
Allowable Load Moment Table

Horizontal Operation



(Unit: mm)			(Unit: mm)			(Unit: mm)		
Horizontal Mounting	A	C	Side Mounting	A	C	Vertical Mounting	A	C
10kg	500	400	10kg	400	500	10kg	300	200
15kg	300	200	15kg	200	300	15kg	150	100
25kg	200	100	25kg	100	200	25kg	75	50

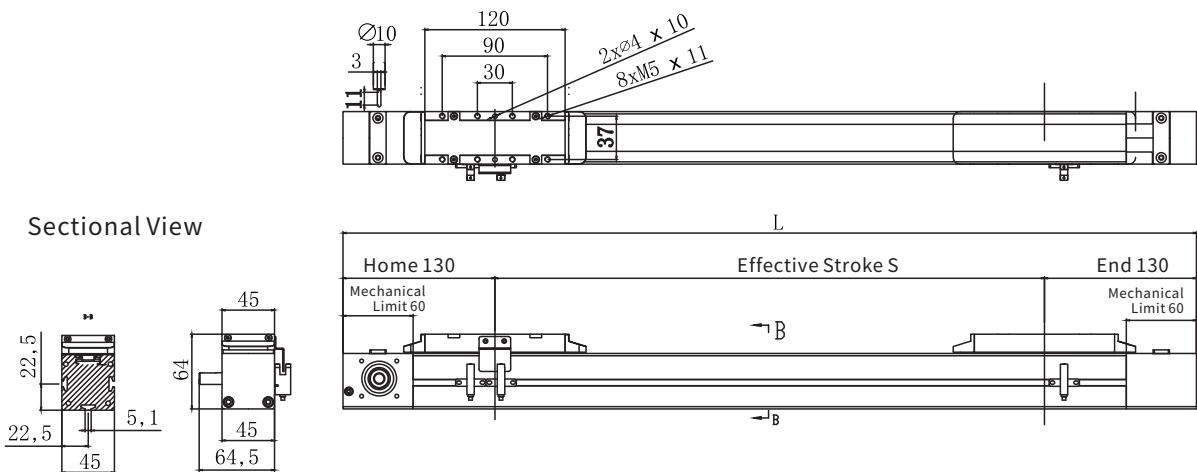
List of Shaft Directions



Product Catalog

● Right-Side Drive Shaft

• Download CAD drawings at www.dgshihai.com •



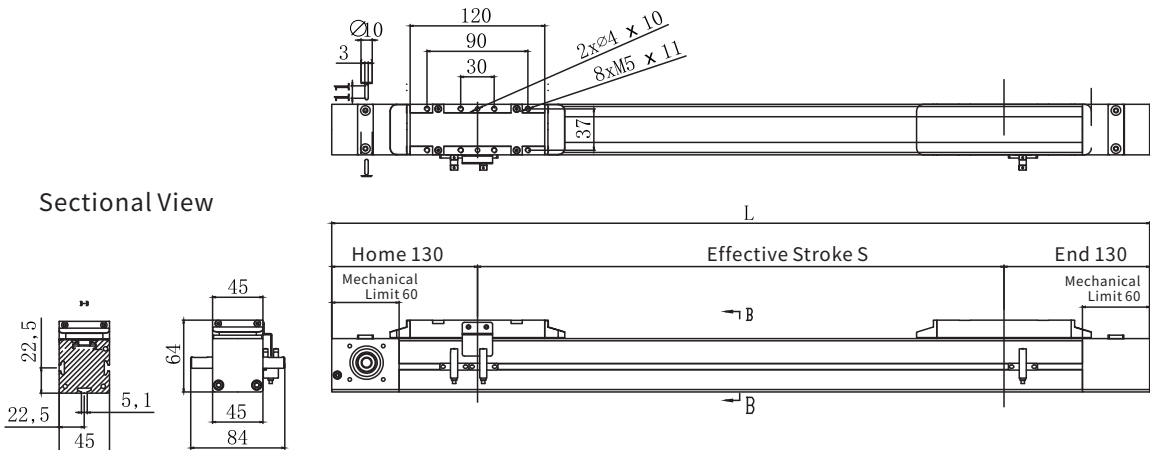
Feed Constant 102

Unit: MM

Effective Stroke	100	200	300	400	500	600	700	800	900	1000	1500	2000	2500	3000	3500	4000
L	360	460	560	660	760	860	960	1060	1160	1260	1760	2260	2760	3260	3760	4260
Weight (KG)	1.97	2.29	2.61	2.93	3.25	3.57	3.89	4.21	4.53	4.85	6.45	8.05	9.65	11.25	12.85	14.45

● Double-Sided Drive Shaft

• Download CAD drawings at www.dgshihai.com •



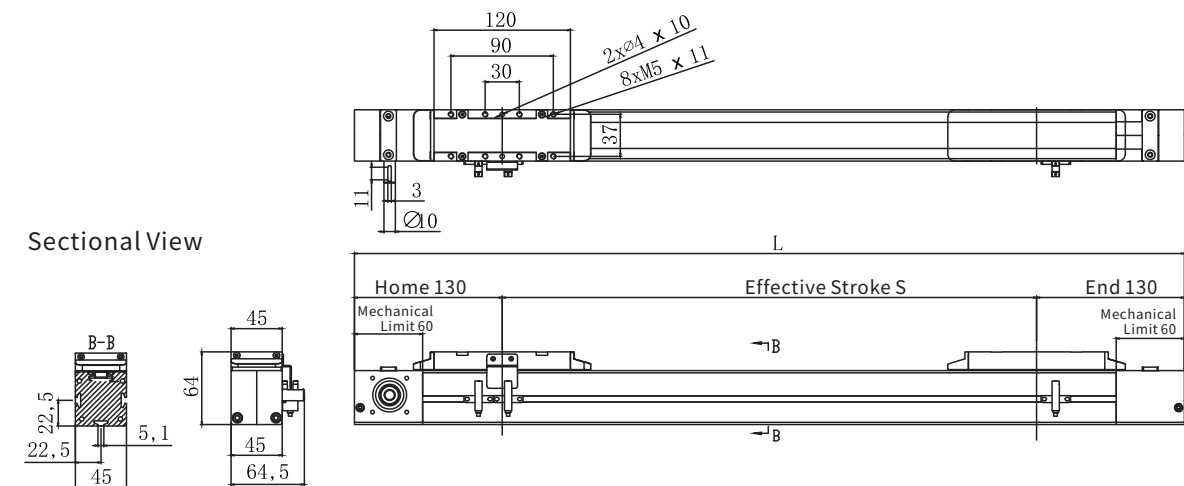
Feed Constant 102

Unit: MM

Effective Stroke	100	200	300	400	500	600	700	800	900	1000	1500	2000	2500	3000	3500	4000
L	360	460	560	660	760	860	960	1060	1160	1260	1760	2260	2760	3260	3760	4260
Weight (KG)	1.97	2.29	2.61	2.93	3.25	3.57	3.89	4.21	4.53	4.85	6.45	8.05	9.65	11.25	12.85	14.45

● Left-Side Drive Shaft

• Download CAD drawings at www.dgshihai.com •



Feed Constant 102

Unit: MM

Effective Stroke	100	200	300	400	500	600	700	800	900	1000	1500	2000	2500	3000	3500	4000
L	360	460	560	660	760	860	960	1060	1160	1260	1760	2260	2760	3260	3760	4260
Weight (KG)	1.97	2.29	2.61	2.93	3.25	3.57	3.89	4.21	4.53	4.85	6.45	8.05	9.65	11.25	12.85	14.45

● Mounting Base 2D Drawing

