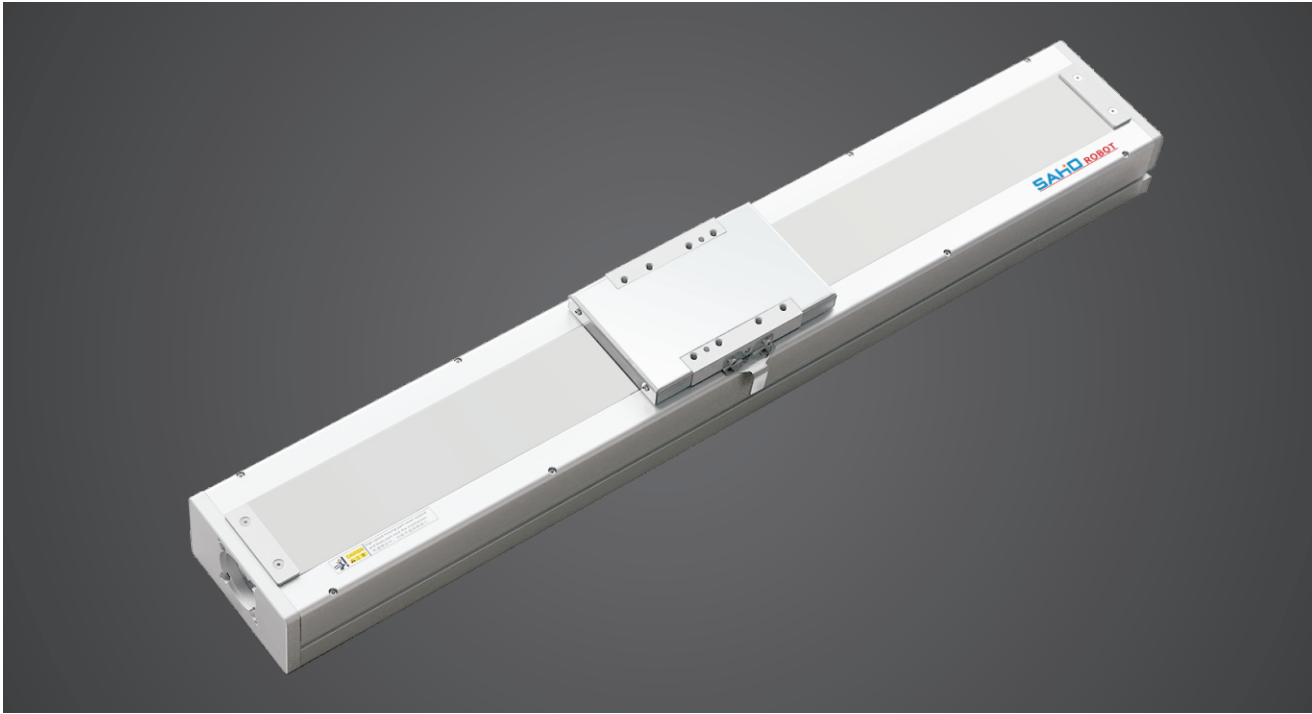


MSDM136 Series

▶ Ball Screw Drive Actuators / Clean Room



Ball Screw Drive Actuators / Clean Room



Max. Stroke 1300mm

Max. Speed 1000mm/s

Motor Capacity 750W

Ball Screw ϕ 20MM

LinearGuideRail 15*12.5-2 PCS

Model Number Designation System

MSDM136 - P05 - S500 - M - C7 - 400W - BJ

Model

Stroke
100-1300mm
50mm pitch

Lead
P05 05mm
P10 10mm
P16 16mm
P20 20mm

Motor Position
M Direct motor coupling
BC Motor externally mounted
BM Motor on lower side
BR Motor on right side
BL Motor on left side

Ball Screw Grade
C7 C7
C5 C5
C3 C3

Servo Motor
1 400W
2 750W
H Stepper motor
B With brake

Slide Block Length
BJ Standard slide block
DJ Customized slide block

Product Catalog

Basic Specifications					
Performance	Position Repetition Precision		$\pm 0.01/\pm 0.02$		
	Ball Screw Lead		5	10	20
	Max. Speed		250	500	1000
	Max. Handling Weight	Horizontal Use	85	70	35
		Vertical Use	30	25	20
Components	Standard Stroke		100~1300mm / 50mm pitch		
	AC Servo Motor Capacity		750		
	Ball Screw Outer Diameter		C7 ϕ 20		
	High-rigidity Linear Guide		15 $\times$ 12.5		
	Coupling		LK5-C39-1910WP		
	Home Sensor	External-mounted	FC-SPX307Z(NPN)		
			LU674-5NA(NPN)		

Allowable Load Moment Table

Horizontal Operation

(Unit: mm)

(Unit: mm)

(Unit: mm)

Horizontal Operation (Unit: N.m)

Horizontal Mounting		A	C
Lead 5	30kg	700	350
	50kg	600	300
	60kg	500	250
Lead 10	20kg	700	350
	30kg	600	300
	40kg	500	250
Lead 20	20kg	700	350
	30kg	600	300
	40kg	500	250

Side Mounting		A	C
Lead 5	20kg	350	1200
	30kg	250	1000
	60kg	150	800
Lead 10	10kg	350	1200
	20kg	250	1000
	40kg	150	800
Lead 20	10kg	300	1000
	20kg	200	800
	30kg	100	600

Vertical Mounting		A	C
Lead 5	20kg	400	300
	50kg	200	150
	60kg	150	100
Lead 10	10kg	400	300
	20kg	200	150
	40kg	150	100
Lead 20	10kg	350	250
	20kg	150	100
	30kg	100	50

MY	551(N.m)
MP	552(N.m)
MR	485(N.m)

List of Shaft Directions

Externally mounted & direct coupling

Motor on left side

Motor on right side

Motor on lower side

Product Catalog

