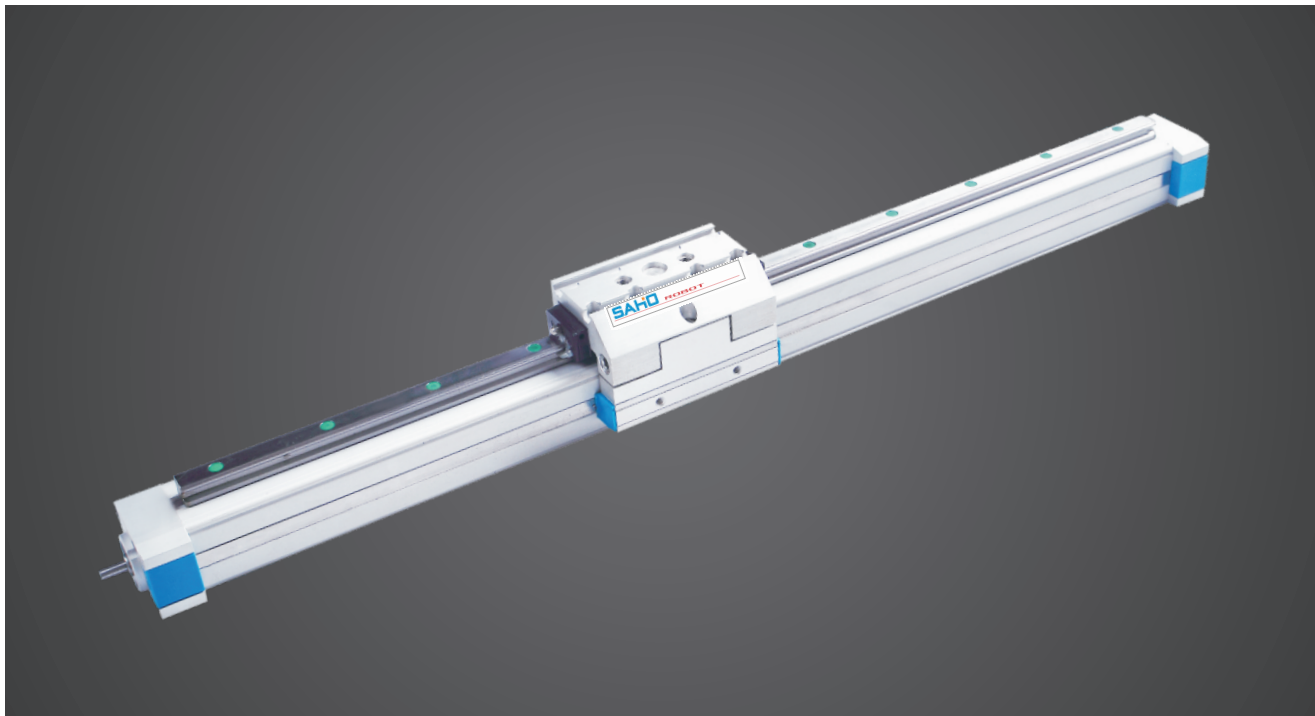


SR45

European Standard Ball Screw Drive Series



European Standard Ball Screw Drive Series



Max. Stroke1050mm

Max. Speed1000mm/s

Motor Capacity200W

Ball Screwφ12MM

LinearGuideRail15*12.5-2 PCS

Model Number Designation System

SR45 - P10 - S500 - 100W - BJ

Model

Ball Screw Lead

Stroke

Servo Motor

Slide Block Length

P05	5mm
P10	10mm

100-1050mm	
50mm pitch	

1	100W
2	200W
H	Stepper motor

BJ	Standard slide block
DJ	Customized slide block

Basic Specifications

Performance	Position Repetition Precision		±0.01/±0.02	
	Ball Screw Lead		5	10
	Max. Speed		250	500
	Max. Handling Weight	Horizontal Use	15	10
		Vertical Use	5	3
	Standard Stroke		100~1050mm / 50 pitch	
Components	AC Servo Motor Capacity		200	
	Ball Screw Outer Diameter		C7 Ø12	
	High-rigidity Linear Guide		15×12.5	
	Coupling		LK5-C30-0810	
	Home Sensor	External-mounted	FC-SPX307Z(NPN)	
			LU674-5NA(NPN)	

Allowable Load Moment Table

Static Allowable Load Moment Table

(単位:mm) (Unit:mm)

(Unit:mm)

(Unit:mm)

Horizontal Operation (Unit: N.m)

Horizontal Mounting		A	C
Lead 5	20kg	500	200
	30kg	400	300
	-	-	-
Lead 10	10kg	500	500
	15kg	350	300
	25kg	180	200
Lead 16	5kg	190	300
	10kg	100	200
	20kg	50	80
Lead 20	5kg	190	300
	10kg	100	200
	20kg	50	80

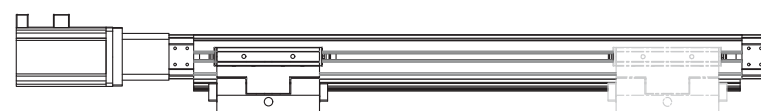
Side Mounting		A	C
Lead 5	15kg	300	600
	25kg	200	400
	30kg	100	300
Lead 10	10kg	250	450
	15kg	150	330
	25kg	60	160
Lead 16	5kg	200	300
	10kg	100	200
	20kg	50	100
Lead 20	5kg	200	300
	10kg	100	200
	20kg	50	100

Vertical Mounting		A	C
Lead 5	10kg	100	145
	15kg	50	75
	20kg	25	60
Lead 10	5kg	100	130
	10kg	50	65
	15kg	30	55
Lead 16	5kg	80	90
	10kg	60	80
	15kg	40	70
Lead 20	5kg	80	90
	10kg	60	80
	15kg	40	70

MY	150(N.m)
MP	150(N.m)
MR	130(N.m)

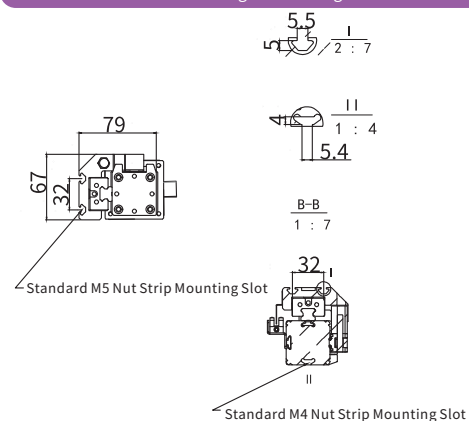
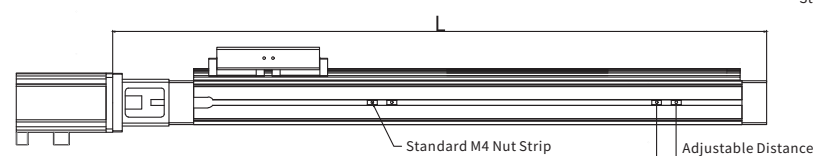
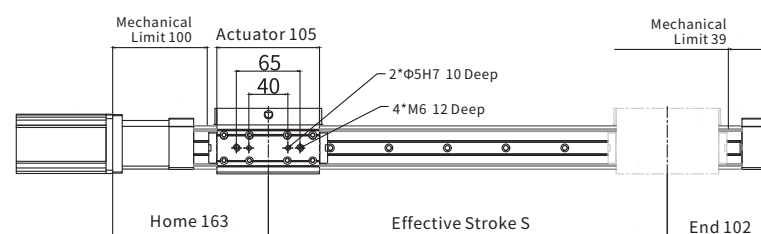
List of Servo Motors

Brand	Mark	Brake	Motor Capacity	Supply Voltage	Servo Motor Model	Driver Model
Mitsubishi	M	No Brake (Horizontal Type)	50	220	HG-KR053	MR-J4-10A
		With Brake (Vertical Type)	50	220	HG-KR053B	MR-J4-10A
Panasonic	P	No Brake (Horizontal Type)	50	220	MSMD5A2G1U	MADHT1505
		With Brake (Vertical Type)	50	220	MSMD5A2G1V	MADHT1505
Delta	T	No Brake (Horizontal Type)	50	220	ECMA-C1040FES	ASD-B20121-B
		With Brake (Vertical Type)	50	220	ECMA-C1040FFS	ASD-B20121-B



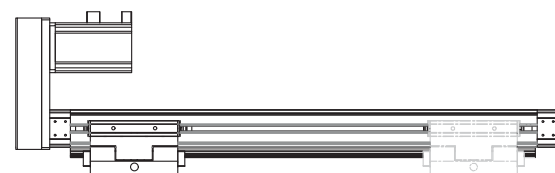
BC Direct Motor Coupling

Download CAD drawings at www.dgshihai.com



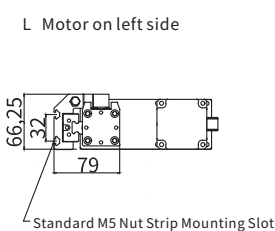
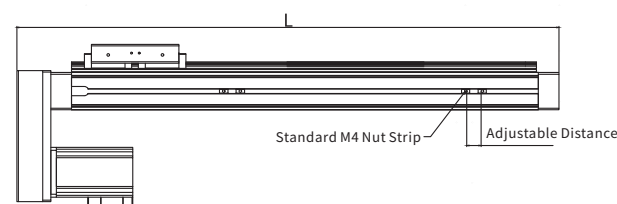
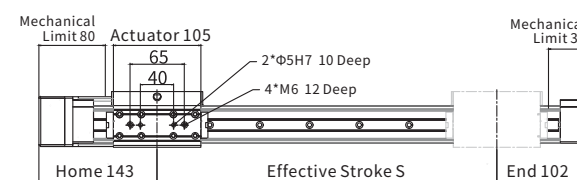
Unit: MM

Effective Stroke	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050
L	365	415	465	515	565	615	665	715	765	815	865	915	965	1015	1065	1115	1165	1215	1265	1315
Weight (KG)	2.3	2.6	2.9	3.2	3.5	3.8	4.1	4.4	4.7	5	5.3	5.6	5.9	6.2	6.5	6.8	7.1	7.4	7.7	8

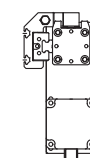


R Motor Side Mounting

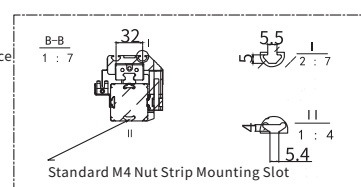
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BU Motor on upper side



BM Motor on lower side



Unit: MM

Effective Stroke	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050
L	345	395	445	495	545	595	645	695	745	795	845	895	945	995	1045	1095	1145	1195	1245	1295
Weight(KG)	2.3	2.6	2.9	3.2	3.5	3.8	4.1	4.4	4.7	5	5.3	5.6	5.9	6.2	6.5	6.8	7.1	7.4	7.7	8

Mounting Base 2D Drawing

