

SDM270 Series

▶ General Environments / Ball Screw Drive Type



Max. Stroke 2500mm

Max. Speed 2000mm/s

Motor Capacity 1500W

Ball Screw φ32MM

LinearGuideRail 25*8-2 PCS

Model Number Designation System

SDM270 - P10 - S500 - M - C7-1000W - BJ

Model

Stroke

Lead

Motor Position

Ball Screw Grade

Home Sensor Fixing Location

Slide Block Length

P05	05mm
P10	10mm
P20	20mm
P32	32mm

M	Internally mounted & direct coupling
BC	Externally mounted & direct coupling
BM	Motor on lower side
BR	Motor on right side
BL	Motor on left side

C7	C7
C5	C5

1	1000W
2	1500W
H	Stepper motor

BJ	Standard slide block
DJ	Customized slide block



General Environments / Ball Screw Drive Type

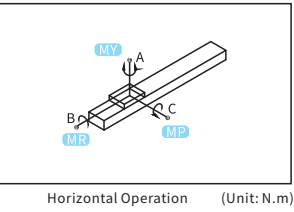
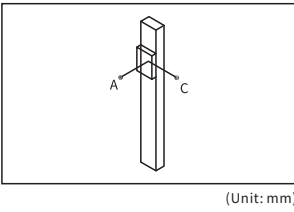
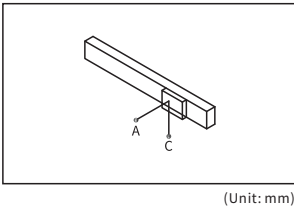
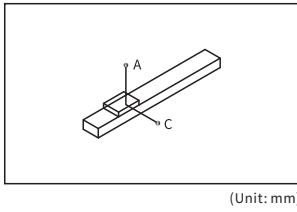
Product Catalog

Basic Specifications

Performance	Position Repetition Precision		±0.01/±0.02			
	Ball Screw Lead		5	10	20	32
	Max. Speed		250	500	1250	1800
	Max. Handling Weight	Horizontal Use	200	180	160	150
		Horizontal Use	150	130	110	100
Components	Standard Stroke		100~2500mm/50 pitch			
	AC Servo Motor Capacity		1500			
	Ball Screw Outer Diameter		C7 Ø32			
	High-rigidity Linear Guide		25×18			
	Coupling		LK5-C56-2022WP			
	Home Sensor	External-mounted	FC-SPX307Z(NPN)			
			LU674-5NA(NPN)			

100~2500mm/50间隔

Allowable Load Moment Table



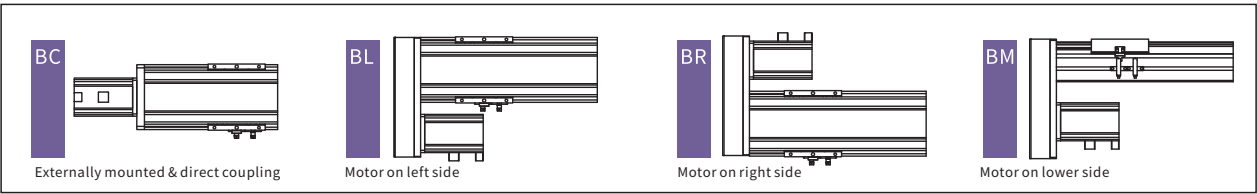
Horizontal Mounting		A	C
Lead 5	150kg	1200	700
	180kg	1000	600
	300kg	800	500
Lead 10	130kg	1200	700
	150kg	1000	600
	300kg	800	500
Lead 25	100kg	1200	700
	120kg	1000	600
	300kg	800	500
Lead 32	100kg	1200	700
	120kg	1000	600
	300kg	800	500

Side Mounting		A	C
Lead 5	100kg	1000	1400
	130kg	700	1200
	180kg	700	1000
Lead 10	90kg	1000	1400
	120kg	800	1200
	170kg	700	1000
Lead 25	80kg	1000	1400
	100kg	800	1200
	150kg	700	1000
Lead 32	80kg	1000	1400
	100kg	800	1200
	150kg	700	1000

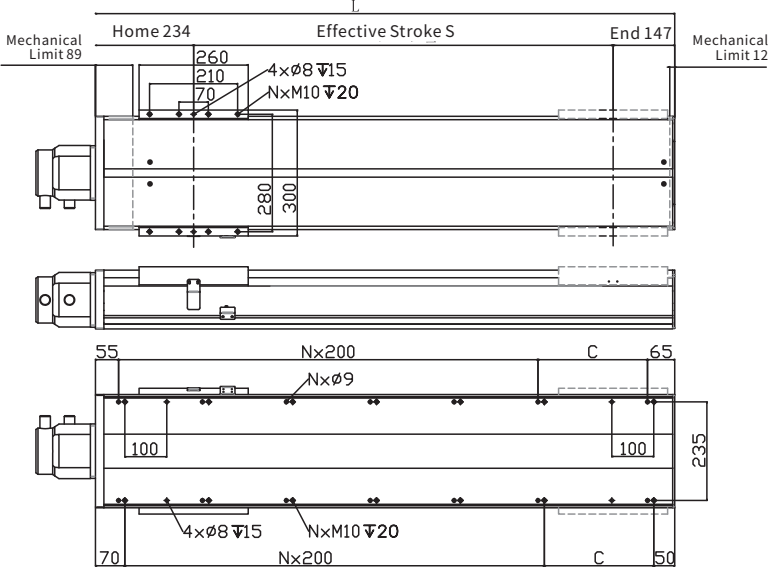
Vertical Mounting		A	C
Lead 5	100kg	1100	900
	130kg	1000	800
	170kg	900	700
Lead 10	90kg	1100	900
	110kg	1000	800
	150kg	900	700
Lead 25	80kg	1100	900
	100kg	1000	800
	130kg	900	700
Lead 32	80kg	1100	900
	100kg	1000	800
	130kg	900	700

MY	3000(N.m)
MP	3000(N.m)
MR	2500(N.m)

List of Shaft Directions



Product Catalog

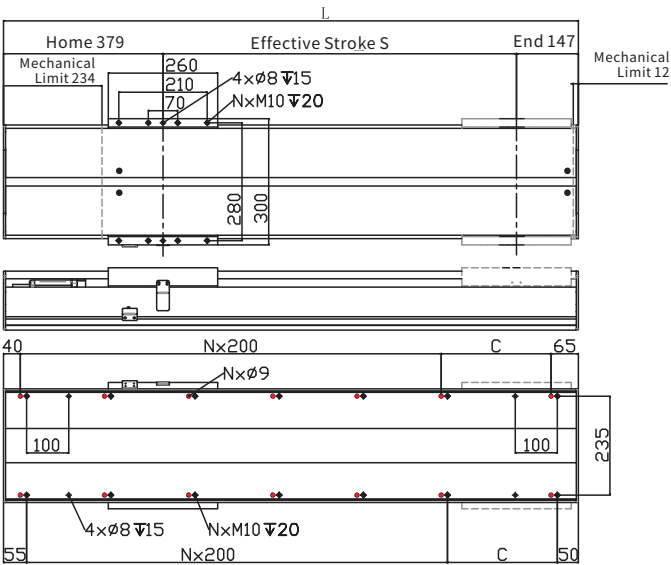


BC Motor Externally Mounted

Download CAD drawings at www.dgshihai.com

Effective Stroke	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1100	1200	1300	1400	1500
L	481	531	581	631	681	731	781	831	881	931	981	1031	1081	1131	1181	1231	1281	1331	1381	1481	1581	1681	1781	1981
C	161	211	261	311	361	411	461	511	561	611	661	711	761	811	861	911	961	1011	1061	1161	1261	1361	1461	1661
N	1	1	1	2	2	2	2	3	3	3	3	4	4	4	4	5	5	5	5	6	6	7	7	8
Weight (KG)	43.23	45.42	47.61	49.8	51.99	54.18	56.37	58.55	60.74	62.93	65.12	67.31	69.5	71.69	73.88	76.07	78.26	80.45	82.64	87.01	91.38	95.75	100.12	104.49

Unit: MM

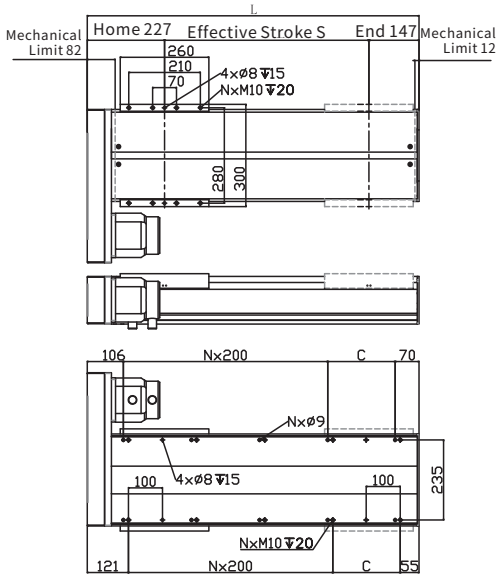


M Direct Motor Coupling

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Effective Stroke	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1100	1200	1300	1400	1500
L	626	676	726	776	826	876	926	976	1026	1076	1126	1176	1226	1276	1326	1376	1426	1476	1526	1626	1726	1826	1926	2026
C	121	171	221	271	321	371	421	471	521	571	621	671	721	771	821	871	921	971	1021	1121	1221	1321	1421	1621
N	2	2	2	2	3	3	3	3	4	4	4	4	5	5	5	5	6	6	6	7	7	8	8	9
Weight (KG)	44.7	46.9	49.1	51.3	53.47	55.67	57.87	60.07	62.27	64.47	66.67	68.87	71.07	73.27	75.47	77.67	79.87	82.07	84.27	88.67	93.07	97.47	101.87	106.27

Unit: MM

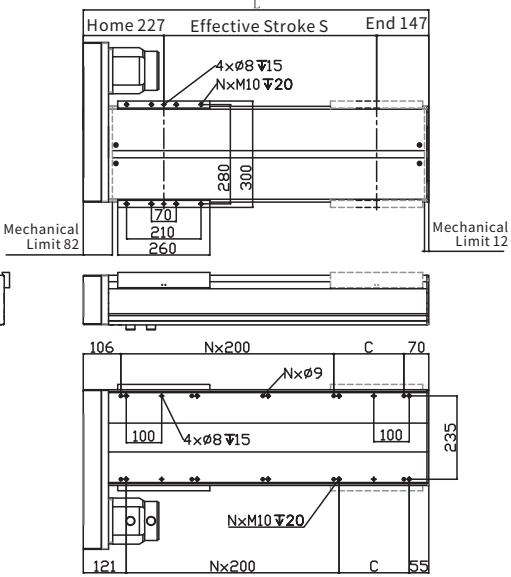


BL Motor on Left Side

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Effective Stroke	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1100	1200	1300	1400	1500
L	474	524	574	624	674	724	774	824	874	924	974	1024	1074	1124	1174	1224	1274	1324	1374	1474	1574	1674	1774	1874
C	298	148	198	248	298	148	198	248	298	148	198	248	298	148	198	248	298	148	198	298	198	298	198	298
N	0	1	1	1	1	2	2	2	2	3	3	3	3	4	4	4	4	5	5	5	6	6	7	7
Weight (KG)	41.6	43.8	46	48.2	50.4	52.5	54.6	56.9	59.2	61.4	63.6	65.8	68	70.2	72.4	74.6	76.8	79	81.2	85.6	90	94.4	98.8	103.2

Unit: MM



BR Motor on Right Side

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Effective Stroke	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1100	1200	1300	1400	1500
L	474	524	574	624	674	724	774	824	874	924	974	1024	1074	1124	1174	1224	1274	1324	1374	1474	1574	1674	1774	1874
C	298	148	198	248	298	148	198	248	298	148	198	248	298	148	198	248	298	148	198	298	198	298	198	298
N	0	1	1	1	1	2	2	2	2	3	3	3	3	4	4	4	4	5	5	5	6	6	7	7
Weight (KG)	41.6	43.8	46	48.2	50.4	52.5	54.6	56.9	59.2	61.4	63.6	65.8	68	70.2	72.4	74.6	76.8	79	81.2	85.6	90	94.4	98.8	103.2

Unit: MM

