



Max. Stroke 2500mm

Max. Speed 2000mm/s

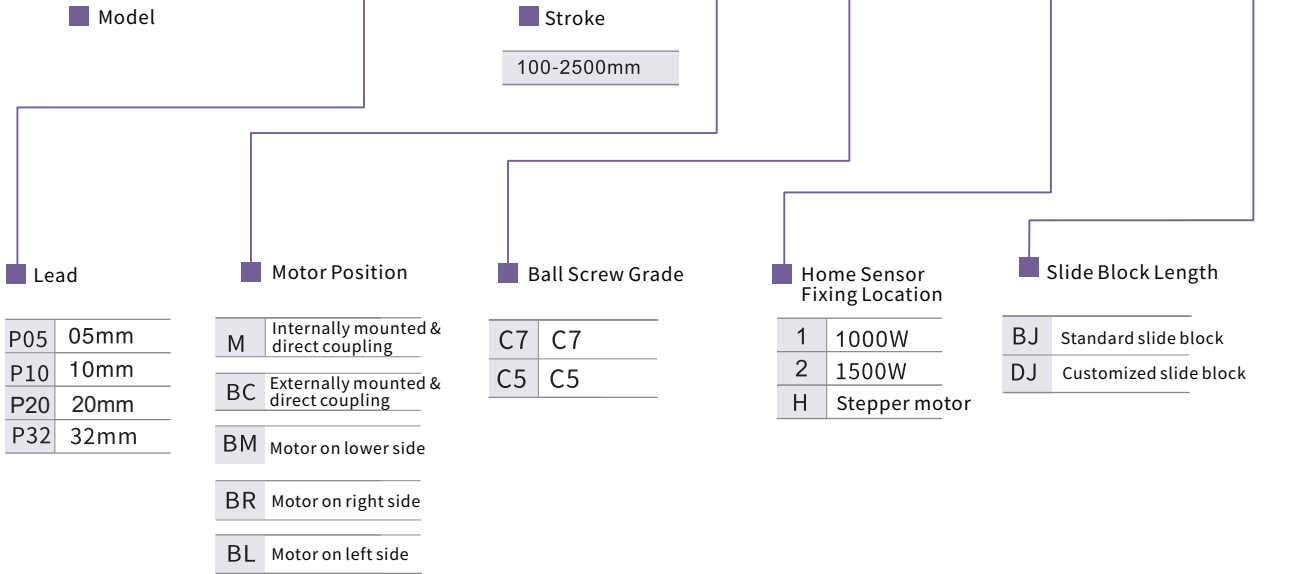
Motor Capacity 1500W

Ball Screw $\varphi 32\text{MM}$

LinearGuideRail 25*18-2 PCS

Model Number Designation System

SDM210 - P20 - S500 - M - C7- 1000W- BJ



Product Catalog

Basic Specifications

Performance	Position Repetition Precision		$\pm 0.01/\pm 0.02$			
	Ball Screw Lead		5	10	20	32
	Max. Speed		250	500	1250	1800
	Max. Handling Weight	Horizontal Use	150	130	120	80
		Horizontal Use	100	80	70	60
Components	Standard Stroke		100~2500mm/50 pitch			
	AC Servo Motor Capacity		1500			
	Ball Screw Outer Diameter		C7 $\varnothing 32$			
	High-rigidity Linear Guide		25×18			
	Coupling		LK5-C56-2022WP			
	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)

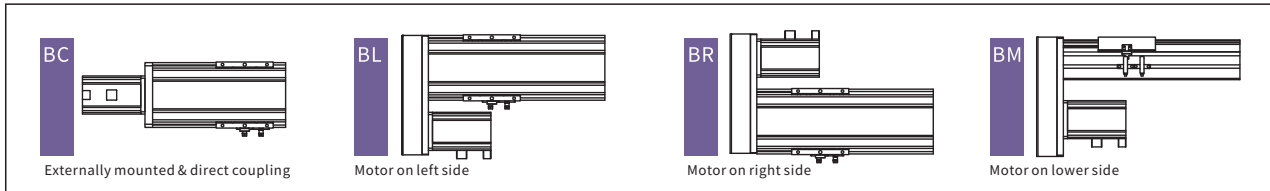
Horizontal Mounting		A	C
Lead 5	100kg	1000	500
	120kg	800	400
	200kg	600	300
Lead 10	90kg	1000	500
	100kg	800	400
	200kg	600	300
Lead 25	80kg	1000	500
	100kg	800	400
	200kg	600	300
Lead 32	80kg	1000	500
	90kg	800	400
	200kg	600	300

Side Mounting		A	C
Lead 5	80kg	800	1200
	100kg	600	1000
	120kg	500	800
Lead 10	70kg	800	1200
	80kg	600	1000
	110kg	500	800
Lead 25	50kg	800	1200
	80kg	600	1000
	120kg	500	800
Lead 32	60kg	800	1200
	70kg	600	1000
	80kg	500	800

Vertical Mounting		A	C
Lead 5	80kg	1100	900
	120kg	1000	800
	150kg	900	700
Lead 10	80kg	1100	900
	100kg	1000	800
	120kg	900	700
Lead 25	80kg	1100	900
	90kg	1000	800
	100kg	900	700
Lead 32	80kg	1100	900
	90kg	1000	800
	100kg	900	700

MY	2500(N.m)
MP	2500(N.m)
MR	2200(N.m)

List of Shaft Directions



Product Catalog

BC Motor Externally Mounted

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	1100	1200	1300	1400	1500
L	423	473	523	573	623	673	723	773	823	873	923	973	1023	107	1123	1173	1223	1273	1323	1423	1523	1623	1723	1823
C	153	203	103	153	203	103	153	203	103	153	203	103	153	203	103	153	203	103	153	103	203	153	103	203
N	1	1	2	2	2	3	3	3	4	4	4	5	5	5	6	6	6	7	7	8	8	9	10	10
Weight (KG)	23.8	25	26.3	27.5	28.7	29.9	31.1	32.3	33.5	34.7	36	37.2	38.5	39.6	40.8	42	43.2	43.5	44.7	47.2	49.5	52	54.5	57

BL Motor on Left Side

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Unit: MM

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	407	457	507	557	607	657	707	757	807	857	907	957	1007	1057	1107	1157	1207	1257	1307	1407	1507	1607	1707	1807
C	95	145	195	95	145	195	95	145	195	95	145	195	95	145	195	95	145	195	95	145	195	95	145	145
N	1	1	1	2	2	2	3	3	3	4	4	4	5	5	5	6	6	6	7	7	8	9	10	10
Weight (KG)	22.7	23.9	25	26.2	27.5	28.6	29.8	31	32.1	33.4	34.6	35.7	36.9	38	39.2	40.4	41.6	42.9	44	46.5	48.9	51.1	53.5	55.8

M Direct Motor Coupling

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Unit: MM

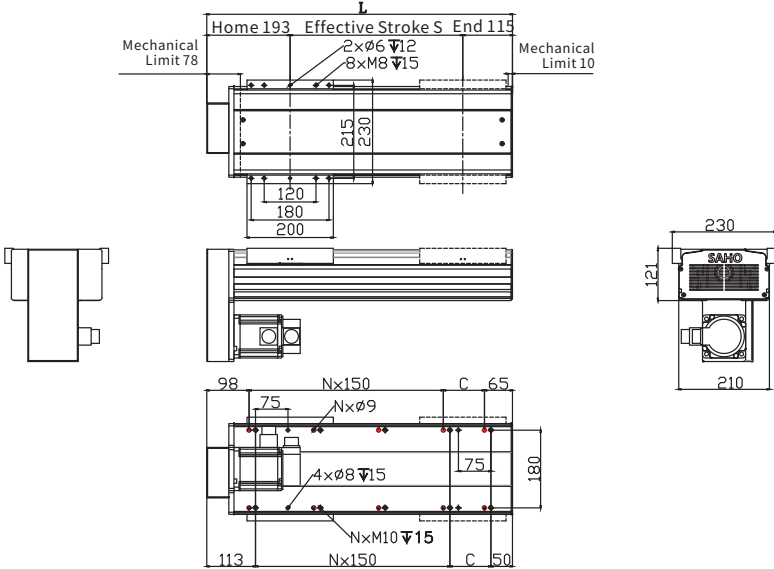
Effective Stroke	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1100	1200	1300	1400	1500
L	571	621	671	721	771	821	871	921	971	1021	1071	1121	1171	1221	1271	1321	1371	1421	1471	1571	1671	1771	1871	1971
C	168	218	118	168	218	118	168	218	118	168	218	118	168	218	118	168	218	118	168	118	218	168	118	218
N	2	2	3	3	3	4	4	4	5	5	5	6	6	6	7	7	7	8	8	9	9	10	11	11
Weight (KG)	25.3	26.5	27.8	29	30.2	31.4	32.7	33.9	35.1	36.3	37.5	38.8	40	41.2	42.4	43.6	44.9	46.1	47.3	49.7	52.2	54.6	57.1	59.5

BR Motor on Right Side

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Unit: MM

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	408	458	508	558	608	658	708	758	808	858	908	958	1008	1058	1108	1158	1208	1258	1308	1408	1508	1608	1708	1808
C	95	145	195	95	145	195	95	145	195	95	145	195	95	145	195	95	145	195	95	145	195	95	145	145
N	1	1	1	2	2	2	3	3	3	4	4	4	5	5	5	6	6	6	7	7	8	9	10	10
Weight (KG)	22.7	23.9	25	26.2	27.5	28.6	29.8	31	32.1	33.4	34.6	35.7	36.9	38	39.2	40.4	41.6	42.9	44	46.5	48.9	51.1	53.5	55.8



Home 193 Effective Stroke S End 115
Mechanical Limit 78 Mechanical Limit 10
2xØ6 ∇ 12
8xM8 ∇ 15
215 230
120 180 200
230
121
210
98 Nx150 C 65
75 NxØ9 75 180
4xØ8 ∇ 15
113 NxM10 ∇ 15 Nx150 C 50

BM Motor on Lower Side

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Unit: MM

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	408	458	508	558	608	658	708	758	808	858	908	958	1008	1058	1108	1158	1208	1258	1308	1408	1508	1608	1708	1808
C	95	145	195	95	145	195	95	145	195	95	145	195	95	145	195	95	145	195	95	195	145	95	195	145
N	1	1	1	2	2	2	3	3	3	4	4	4	5	5	5	6	6	6	7	7	8	9	9	10
Weight (KG)	22.7	23.9	25	26.2	27.5	28.6	29.8	31	32.1	33.4	34.6	35.7	36.9	38	39.2	40.4	41.6	42.9	44	46.5	48.9	51.1	53.5	55.8