



Max. Stroke1050mm

Max. Speed1000mm/s

Motor Capacity400W

Ball Screwφ16MM

LinearGuideRail15*12.5-1 PC

Model Number Designation System

SDM75 - P05 - S100 - M - C7 - 200W - BJ

Model

Stroke

Lead

Motor Position

Ball Screw Grade

Home Sensor Fixing Location

Slide Block Length

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

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	200W
2	400W
H	Stepper motor

BJ	Standard slide block
DJ	Customized slide block

Product Catalog

Basic Specifications

Performance	Position Repetition Precision		±0.01/±0.02			
	Ball Screw Lead		5	10	16	20
	Max. Speed		250	500	800	1000
	Max. Handling Weight	Horizontal Use	25	20	15	15
		Horizontal Use	13	10	8	5
	Standard Stroke		50~1050mm/50 pitch			
Components	AC Servo Motor Capacity		400			
	Ball Screw Outer Diameter		C7 Ø16			
	High-rigidity Linear Guide		15×12.5			
	Coupling		LK5-C34-1410WP			
	Home Sensor	External-mounted	FC-SPX307Z(NPN)			
LU674-5NA(NPN)						

Allowable Load Moment Table

Horizontal Operation

(Unit: mm)

(Unit: mm)

(Unit: mm)

(Unit: N.m)

Horizontal Mounting		A	C
Lead 5	10kg	300	300
	15kg	120	120
	25kg	50	50
Lead 10	5kg	300	300
	10kg	120	120
	20kg	50	50
Lead 20	5kg	200	200
	10kg	100	100
	15kg	40	40

Side Mounting		A	C
Lead 5	10kg	280	480
	15kg	100	200
	25kg	50	100
Lead 10	5kg	230	400
	10kg	80	200
	20kg	40	100
Lead 20	5kg	200	400
	10kg	100	200
	15kg	40	100

Vertical Mounting		A	C
Lead 5	10kg	200	300
	15kg	100	150
	25kg	50	80
Lead 10	10kg	40	60
	15kg	20	30
Lead 20	10kg	40	60
	-	-	-

MY	80(N.m)
MP	80(N.m)
MR	80(N.m)

List of Shaft Directions

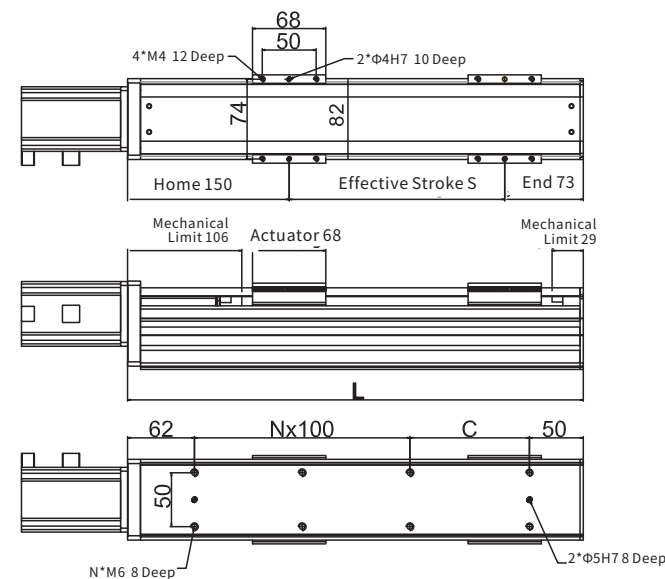
Externally mounted & direct coupling

Motor on left side

Motor on right side

Motor on lower side

BC Motor Externally Mounted

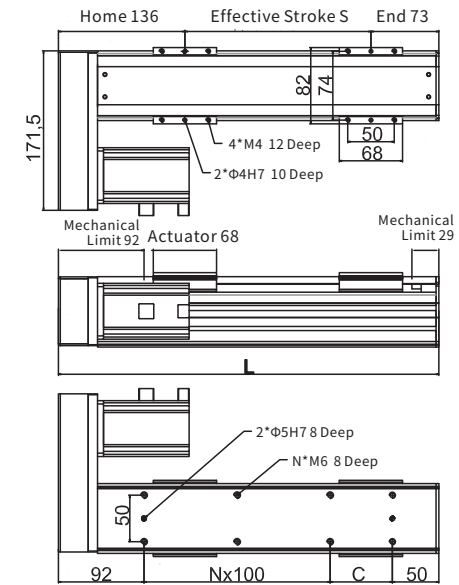


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Unit: MM

Effective Stroke	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050
L	323	373	423	473	523	573	623	673	723	773	823	873	923	973	1023	1073	1123	1173	1223	1273
C	111	61	111	61	111	61	111	61	111	61	111	61	111	61	111	61	111	61	111	61
N	1	2	2	3	3	4	4	5	5	6	6	7	7	8	8	9	9	10	10	11
Weight (KG)	4.2	4.5	4.8	5.1	5.4	5.8	6.1	6.4	6.7	7.0	7.3	7.6	7.9	8.2	8.5	8.8	9.1	9.4	9.7	10

BL Motor on left side

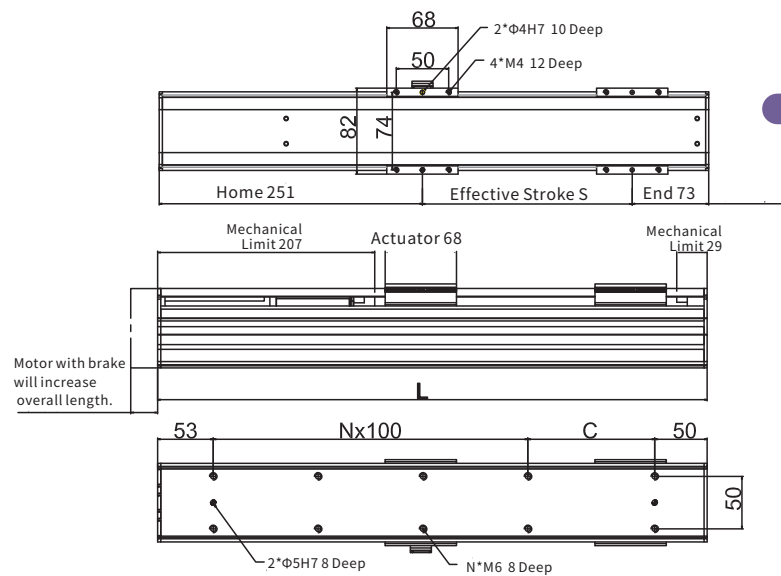


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Unit: MM

Effective Stroke	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050
L	309	359	409	459	509	559	609	659	709	759	809	859	909	959	1009	1059	1109	1159	1209	1259
C	67	117	67	117	67	117	67	117	67	117	67	117	67	117	67	117	67	117	67	117
N	1	1	2	2	3	3	4	4	5	5	6	6	7	7	8	8	9	9	10	10
Weight (KG)	4.2	4.5	4.8	5.1	5.4	5.8	6.1	6.4	6.7	7.0	7.3	7.6	7.9	8.2	8.5	8.8	9.1	9.4	9.7	10

M Direct Motor Coupling



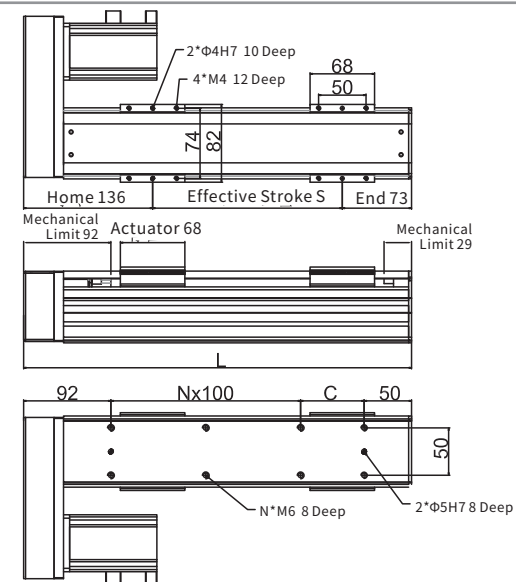
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Unit: MM

Effective Stroke	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050
L	424	474	524	574	624	674	724	774	824	874	924	974	1024	1074	1124	1174	1224	1274	1324	1374
C	121	71	121	71	121	71	121	71	121	71	121	71	121	71	121	71	121	71	121	71
N	2	3	3	4	4	5	5	6	6	7	7	8	8	9	9	10	10	11	11	12
Weight (KG)	4.2	4.5	4.8	5.1	5.4	5.8	6.1	6.4	6.7	7.0	7.3	7.6	7.9	8.2	8.5	8.8	9.1	9.4	9.7	10

Special Note: * Motor not included

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	1050
L	309	359	409	459	509	559	609	659	709	759	809	859	909	959	1009	1059	1109	1159	1209	1259
C	67	117	67	117	67	117	67	117	67	117	67	117	67	117	67	117	67	117	67	117
N	1	1	2	2	3	3	4	4	5	5	6	6	7	7	8	8	9	9	10	10
Weight (KG)	4.2	4.5	4.8	5.1	5.4	5.8	6.1	6.4	6.7	7.0	7.3	7.6	7.9	8.2	8.5	8.8	9.1	9.4	9.7	10

Home 136

Effective Stroke S

End 73

82

74

50

68

4*M4 12 Deep

2*Φ4H7 10 Deep

Mechanical Limit 92

Actuator 68

Mechanical Limit 29

170

92

Nx100

C

50

N*M6 8 Deep

2*Φ5H7 8 Deep

BM

Motor on lower side

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75

79.5

174.5

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	309	359	409	459	509	559	609	659	709	759	809	859	909	959	1009	1059	1109	1159	1209	1259
C	67	117	67	117	69	117	67	117	67	117	67	117	67	117	67	117	67	117	67	117
N	1	1	2	2	3	3	4	4	5	5	6	6	7	7	8	8	9	9	10	10
Weight(KG)	4.2	4.5	4.8	5.1	5.4	5.8	6.1	6.4	6.7	7.0	7.3	7.6	7.9	8.2	8.5	8.8	9.1	9.4	9.7	10