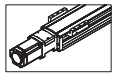
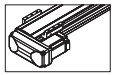
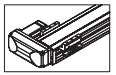
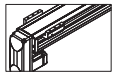


电机安装方式 How the motor is installed


■ 电机直连外置-BC
Motor Exposed


■ 电机左折-BL
Motor Left Side


■ 电机右折-BR
Motor Right Side


■ 电机下折-BD
Motor Bottom Side

型号表示方式 Guide for Model Selection

SK12-L10-C-S100-BC-P40B-D3_-001

特殊定制 Non-standard, d.c.,

本体颜色 Body color	
S	白色(默认)
H	黑色

丝杆导程(螺距) Ball Screw Lead	
L5	5mm
L10	10mm
L20	20mm
L32	32mm

* 导程：电机旋转一圈，滑台移动的直线距离.

精度等级 Accuracy class	
C	普通级C7 Common precision
P	研磨级C5 High precision

行程mm Stroke(mm)
50~1250

电机方式 Motor way	
BC	直连外置
BL	左折
BR	右折
BD	下折

电机品牌 Motor Type	
W	云雀
G	高创
L	雷赛
H	汇川
P	松下
M	三菱
T	台达
Y	安川
57	57步进电机
其他品牌电机	

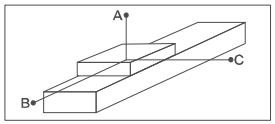
电机功率 Motor power	
40	400W

刹车 Brakes	
无	无刹车
B	带刹车

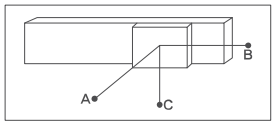
感应开关数量 Sensor quantity	
D3	3PCS
D2	2PCS
D1	1PCS
E	无光电开关

感应器类型 Sensor type	
无	NPN
P	PNP

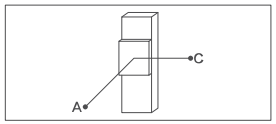
静态负载力矩表 Static Load Torque Table



水平安装 Horizontal installation		A	B	C
导程5 Lead5	60KG	2850	250	340
	80KG	2100	180	250
	110KG	1500	120	170
导程10 Lead10	30KG	2850	490	600
	50KG	1700	280	350
	88KG	950	140	190
导程20 Lead20	10KG	3400	1250	1400
	22KG	1650	550	620
	40KG	900	290	330
导程32 Lead32	15KG	1100	570	550
	25KG	620	330	320
	30KG	520	270	260



壁挂安装 Wall-mounted installation		A	B	C
导程5 Lead5	55KG	280	280	3300
	75KG	200	195	2400
	110KG	130	125	1550
导程10 Lead10	35KG	400	410	2500
	55KG	245	250	1550
	88KG	150	150	950
导程20 Lead20	12KG	900	1070	3000
	20KG	550	630	1800
	40KG	260	300	900
导程32 Lead32	15KG	440	570	1050
	30KG	210	270	520
	-	-	-	-



垂直安装 Vertical installation		A	C
导程5 Lead5	15KG	1200	1200
	22KG	820	820
	33KG	550	550
导程10 Lead10	10KG	1600	1600
	14KG	1150	1150
	22KG	730	730
导程20 Lead20	7KG	1800	1800
	10KG	1250	1250
	-	-	-
导程32 Lead32	5KG	1600	1600
	8KG	1000	1000
	-	-	-

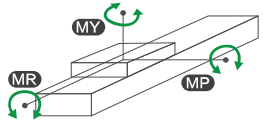
动态建议缩小5~10倍
It's recommended to scale down by 5~10 times

基本参数 The basic parameters

电机功率(W) Motor power(w)	400W			
电机转速 Motor Speed(rpm/min)	3000			
滚珠丝杆导程-螺距 Belt Lead(mm)	5	10	20	32
最高速度 Maximum Payload(mm/s)	250	500	1000	1600
水平负载 Horizontal load(kg)	110	88	40	30
垂直负载 Vertical load(kg)	40	40	15	10
额定推力 Rated thrust(n)	1388	694	347	218
行程范围 Range of travel(mm)	50~1250MM/50行程递增			
丝杆外径 Screw diameter(mm)	Ø16 / Ø20			
重复位置精度 Repeatability(mm)	C7(C)	±0.01		
	C5(P)	±0.005		
联轴器 coupling	10x14			
感应器 sensor	EE-SX674(NPN)			

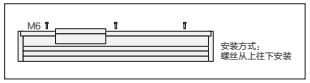
*电机加减速度时间为0.2S. motor speed is 0.2S.
*如有特殊定制请先与技术人员联系. If you have special customization, please contact a technician first.

静态力矩表 Static moment

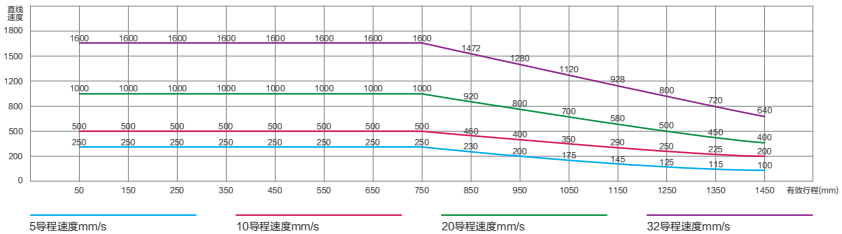


MY	608 (N.m)
MP	608 (N.m)
MR	1170 (N.m)

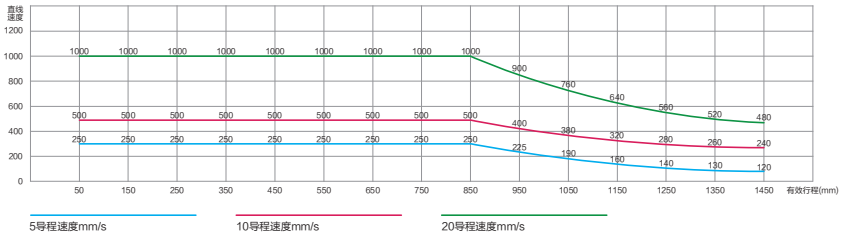
安装示意图 Installation diagram



速度与行程 Speed and stroke



*(Φ16丝杆) 行程超过750时，丝杆旋转会产生共振，此时请将速度调低.
When the stroke is more than 750, the rotation of the screw will cause resonance, and then the speed will be lowered.



*(Φ20丝杆) 行程超过850时，丝杆旋转会产生共振，此时请将速度调低.
When the stroke is more than 850, the rotation of the screw will cause resonance, and then the speed will be lowered.