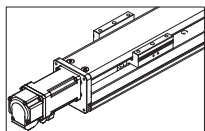


# 丝杠模组 (半密封) -HS17

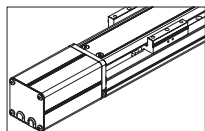
Lead Screw Module (semi-sealed)



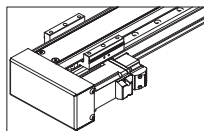
## 电机安装方式 How the Motor is Installed



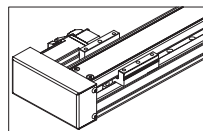
电机直连外置-BC  
Motor exposed



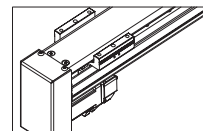
电机直连内置-M  
Motor built-in



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

# Z-Mod-HS17-10-C7-100-BC-40SEB-N3-FXXX-01

HS17	10	C7	100	BC	40SE	B	N3	FXXX-01
本体型号 Base Model	丝杠导程 (螺距) Ball screw lead 5: 5mm 10: 10mm 20: 20mm 40: 40mm  *导程: 电机旋转一圈, 滑台移动的直线距离。	精度等级 Accuracy class C7: 普通级C7 Common precision P5: 研磨级C5 High precision	行程 Stroke 50-1800mm	电机方式 Motor way BC: 直连外置 M: 直连内置 BL: 左折 BR: 右折 BD: 下折	电机功率 Motor power 40SE: 400W伺服 86ST: 86步进	刹车 Brakes 无: 无电机 B: 一体式电机 (带刹车) M: 一体式电机	感应开关数量 Sensor quantity N3: 3个NPN传感器 N2: 2个NPN传感器 N1: 1个NPN传感器 P3: 3个PNP传感器 P2: 2个PNP传感器 P1: 1个PNP传感器 N: 无	特殊定制 Customer number F: 非标准定制选项, 若为标准品, 则为空 XXX: 客户标号 01: 版本号

## 基本参数 Parameters

电机功率 Motor power(w)	400W/750W			
电机转速 Motor speed(rpm/min)	*3000			
滚珠丝杆导程-螺距 Belt lead(mm)	5	10	20	40
最高速度 Maximum payload(mm/s)	250	500	1000	2000
水平负载 Horizontal load	120	110/120	75/83	22/43
垂直负载 Vertical load	40/55	30/50	14/25	7/12
额定推力 Rated thrust(n)	1388/2553	694/1281	347/640	174/320
行程范围 Range of travel(mm)	50-1800MM/50行程递增			
丝杆外径 Screw diameter(mm)	*Ø20 (Ø25)			Ø20
重复位置精度 Repeatability(mm)	C7(C)		±0.01	
	C5(P)		±0.006	
导轨规格 Guide specification	W20XH15-2支			
联轴器 Coupling	12x14(配400W)/12x19(配750W)			
感应器 Sensor	EE-SX674(NPN)			

\*电机加减速时间为0.2S。

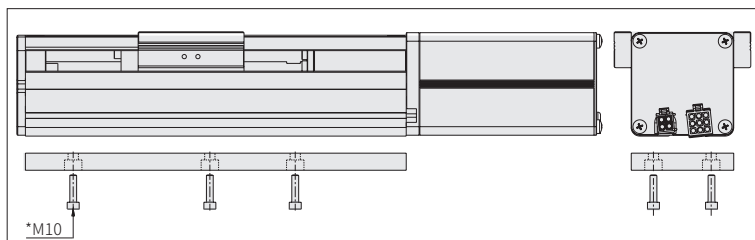
\*Motor speed is 0.2S.

\*标配丝杆Ø20，也可定制Ø25。

\*如有特殊定制请先与技术人员联系。

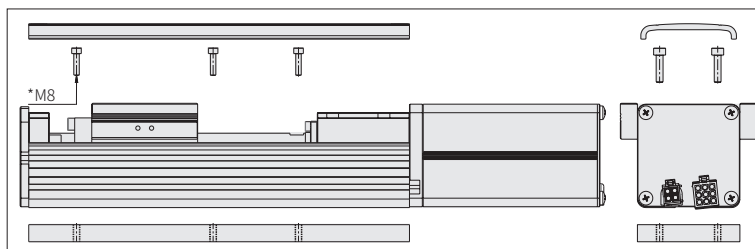
\*If you have special customization, please contact a technician first.

## 安装示意图 Installation Diagram



安装方式一：安装螺丝从下往上安装。

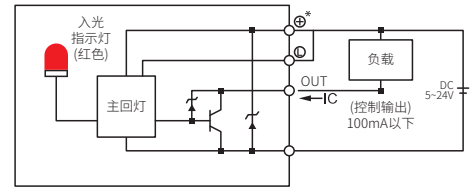
Installation method 1: The screws are installed from bottom to top.



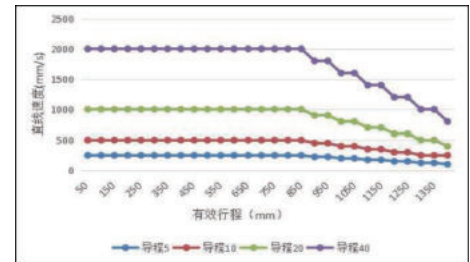
安装方式二：打开滑台上盖，安装螺丝从上往下安装。

Installation method 2: Open the sliding table cover and install the screws from top to bottom.

## 传感器接线图 Sensor Wiring Diagram



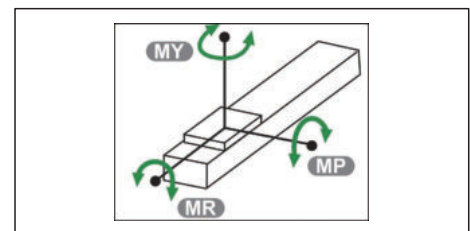
## 速度与行程 Speed and stroke



\*行程超过850时，丝杆旋转会产生共振，此时请将速度调低。

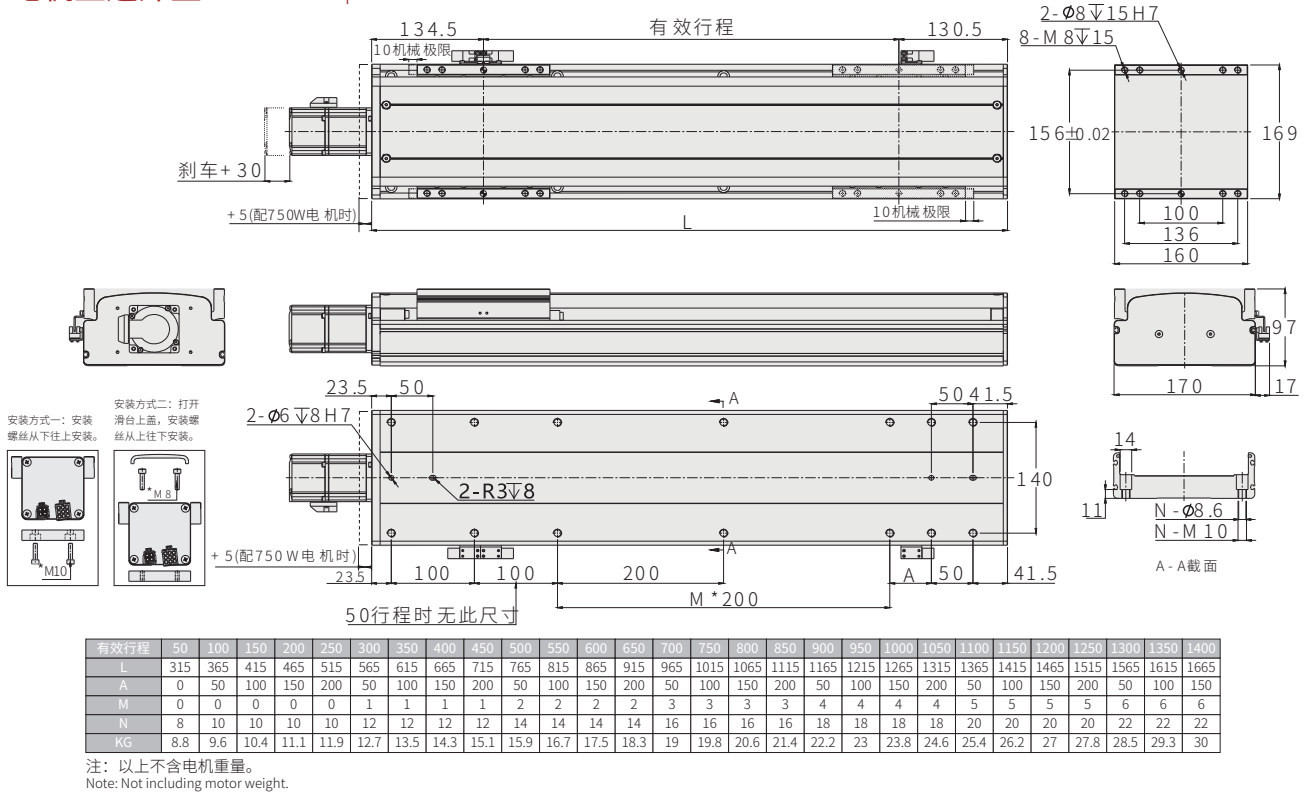
\*When the stroke is more than 850, the rotation of the screw will cause resonance, and then the speed will be lowered.

## 静态力矩表 Static Moment

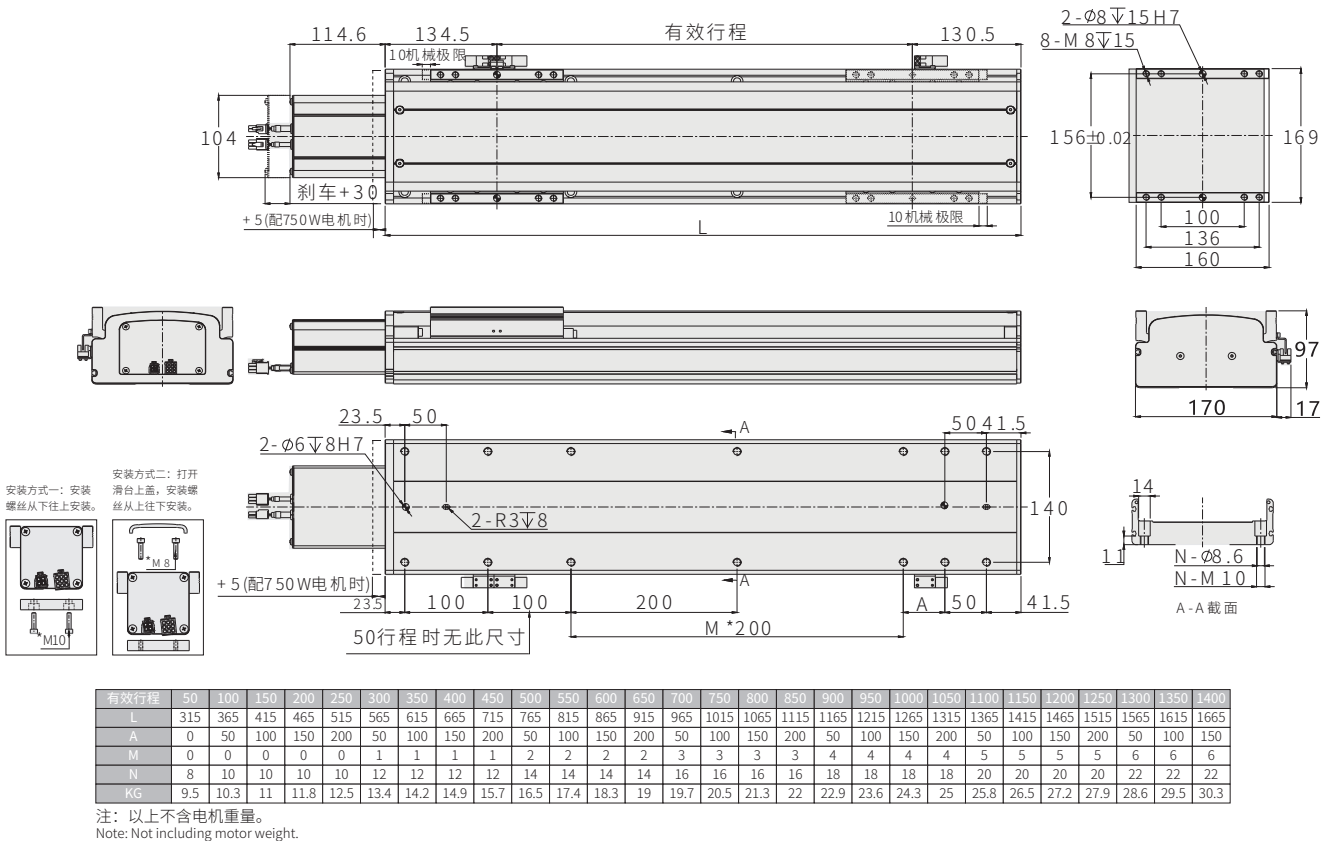


MY	1032 (N.M)
MP	1034 (N.M)
MR	908 (N.M)

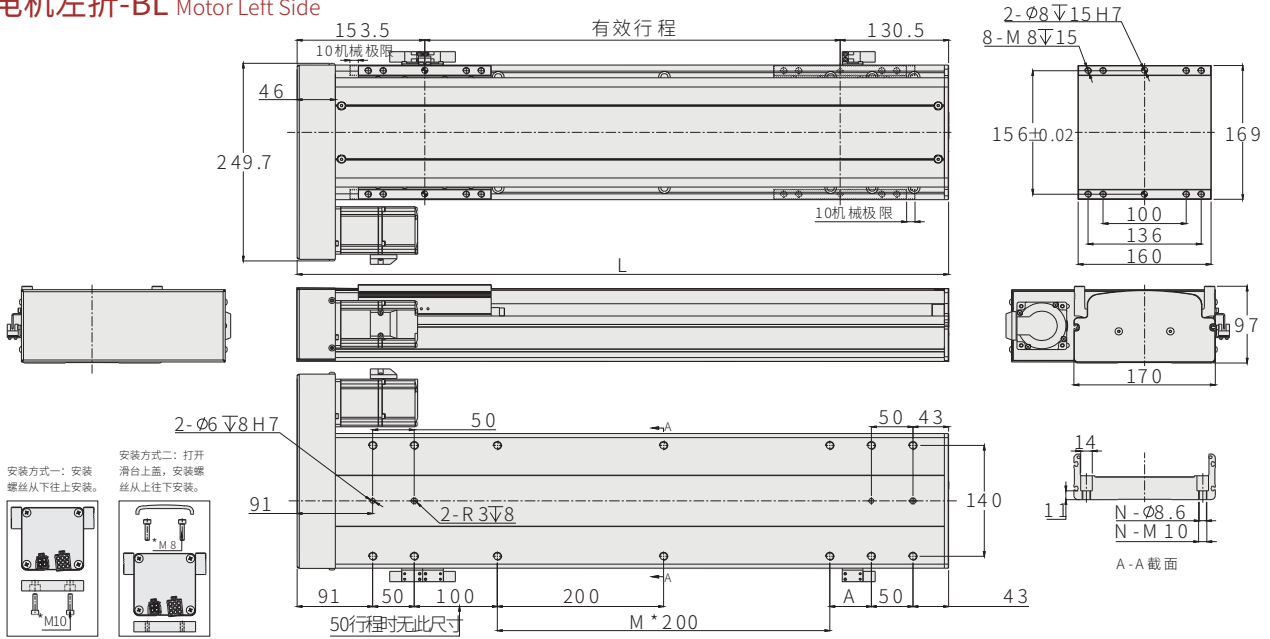
## 电机直连外置-BC Motor Exposed



## 电机直连内置-M Motor Built-in



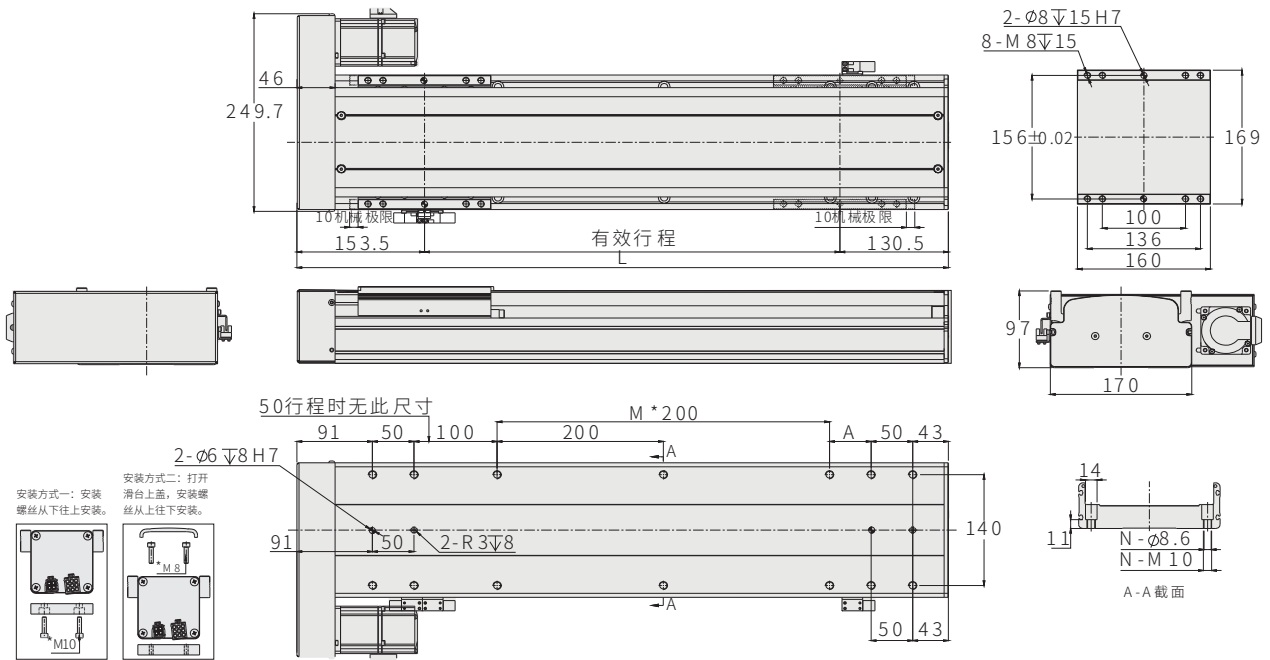
## 电机左折-BL Motor Left Side



有效行程	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250	1300	1350	1400	
L	334	384	434	484	534	584	634	684	734	784	834	884	934	984	1034	1084	1134	1184	1234	1284	1334	1384	1434	1484	1534	1584	1634	1684	
A	0	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	
M	0	0	0	0	0	1	1	1	1	2	2	2	2	3	3	3	3	4	4	4	4	4	5	5	5	5	6	6	6
N	8	10	10	10	10	12	12	12	12	14	14	14	14	16	16	16	16	18	18	18	18	18	20	20	20	20	22	22	22
KG	10	10.7	11.5	12.2	13	13.8	14.9	15.4	16.2	17	17.8	18.6	19.4	20.1	20.9	21.7	22.5	23.3	24.1	24.9	25.7	26.5	27.3	28.1	28.9	29.6	30.5	31.2	

注: 以上不含电机重量。  
Note: Not including motor weight.

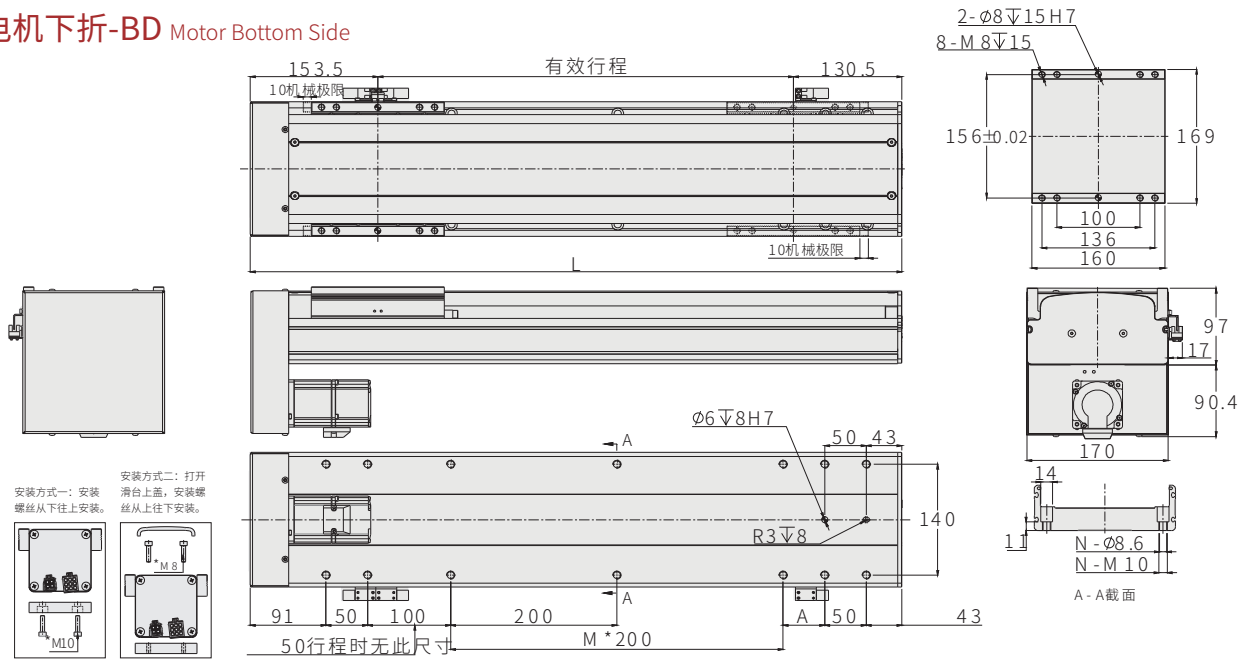
## 电机右折-BR Motor Right Side



有效行程	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250	1300	1350	1400	
L	334	384	434	484	534	584	634	684	734	784	834	884	934	984	1034	1084	1134	1184	1234	1284	1334	1384	1434	1484	1534	1584	1634	1684	
A	0	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	
M	0	0	0	0	0	1	1	1	1	2	2	2	2	3	3	3	3	4	4	4	4	4	5	5	5	5	6	6	6
N	8	10	10	10	10	12	12	12	12	14	14	14	14	16	16	16	16	18	18	18	18	18	20	20	20	20	22	22	22
KG	10	10.7	11.5	12.2	13	13.8	14.9	15.4	16.2	17	17.8	18.6	19.4	20.1	20.9	21.7	22.5	23.3	24.1	24.9	25.7	26.5	27.3	28.1	28.9	29.6	30.5	31.2	

注: 以上不含电机重量。  
Note: Not including motor weight.

# 电机下折-BD Motor Bottom Side



有效行程	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250	1300	1350	1400
L	334	384	434	484	534	584	634	684	734	784	834	884	934	984	1034	1084	1134	1184	1234	1284	1334	1384	1434	1484	1534	1584	1634	1684
A	0	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150
M	0	0	0	0	0	1	1	1	1	2	2	2	2	3	3	3	3	4	4	4	4	5	5	5	5	6	6	6
N	8	10	10	10	10	12	12	12	12	14	14	14	14	16	16	16	16	18	18	18	18	20	20	20	20	22	22	22
KG	10.2	10.9	11.7	12.9	13.2	14	15.1	15.6	16.4	17.2	18	18.8	19.8	20.3	21.2	21.9	22.7	23.5	24.3	25.1	25.9	26.7	27.5	28.3	29.2	29.8	30.7	31.4

注：以上不含电机重量。  
Note: Not including motor weight.