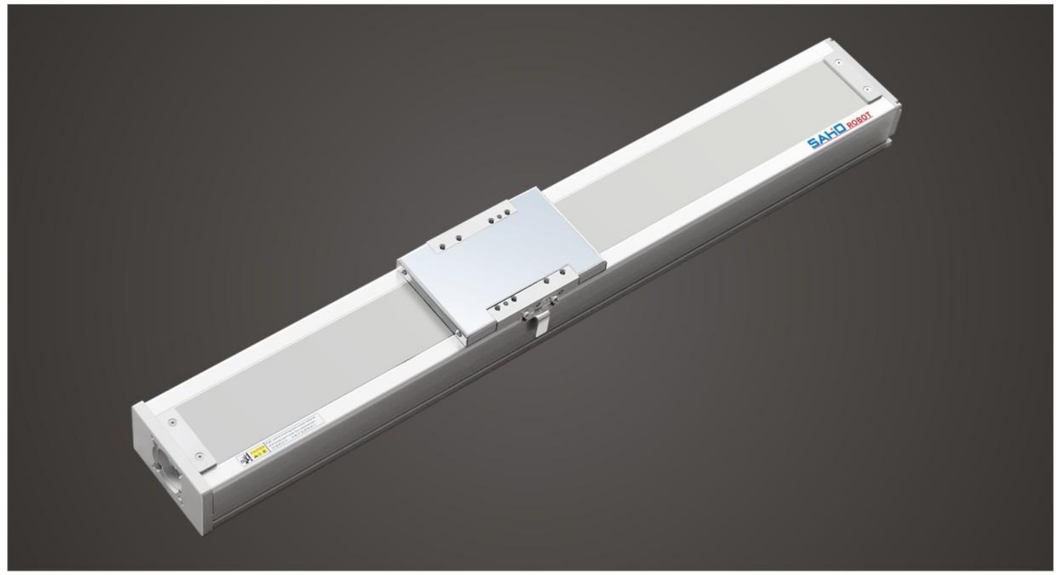
MSDM120 Series

螺杆滑台/无尘环境
Screw slide table/dust-free environment



最大行程 Maximum stroke 1050mm | 最高速度 top speed 1000mm/s | 马达容量 Motor capacity 400W | 滚珠螺杆 Ball Screw φ16MM | 直线滑轨 Straight track 15×12.5−2支

型號表示方式 Ordering Method

MSDM120- P05 - S500 - M - C7 - 400W - BJ

■本體型號 Model

■行程 Stroke
100-1050mm
50间隔50mmPitch

■導程 Lead

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

■马达位置 Motor position

M	马达直结 Motor Built
BC	馬達外露 Motor Exposed
BM	馬達下折 Motor On Lower Side
BR	馬達右折 Motor On Right Side
BL	馬達左折 Motor On Left Side

■螺杆等级 Screw grade

C7	C7级
C5	C5级
C3	C3级

■伺服马达 Servo motor

1	400W
H	步进电机
B	带刹车

■滑块长度 Slide length

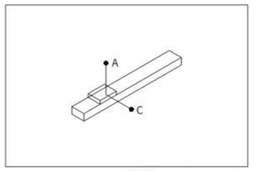
BJ	标准滑块
DJ	定制滑块

产品综合型录

基本仕樣 Specification

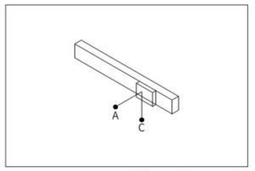
性能	位置重复精度 Position repetition accuracy(mm)		±0.01/±0.02			
	螺杆导程 Screw lead(mm)		5	10	16	20
	最高速度 top speed(mm/s)		250	500	800	1000
	最大可搬重量 Maximum carrying weight	水平使用 Horizontal use(kg)	50	30	25	25
		垂直使用 Vertical use(kg)	30	20	15	15
	标准行程 Standard travel(mm)		100~1050mm/50间隔			
部品	Ac伺服马达容量 AC servo motor capacity(w)		400			
	滚珠螺杆外径 Outside diameter of ball screw(mm)		C7⌀16			
	高刚性直线滑轨 High rigid straight track(mm)		15×12.5			
	联轴器 coupling(mm)		LK5-C39-1410WP			
	原点感应器 Home sensor	外挂 Plug in	FC-SPX307Z(NPN)			
			LU674-5NA(NPN)			

容許負載力距表N.m Allowable Overhang



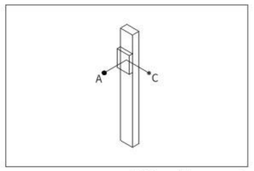
(单位:mm) (Unit:mm)

水平安装		A	C
导程5 Lead	20kg	900	500
	30kg	600	300
	50kg	500	250
导程10 Lead	15kg	900	450
	25kg	700	350
	30kg	500	250
导程16 Lead	10kg	800	400
	20kg	600	300
	25kg	500	250
导程20 Lead	10kg	800	400
	20kg	600	300
	25kg	500	250



(单位:mm) (Unit:mm)

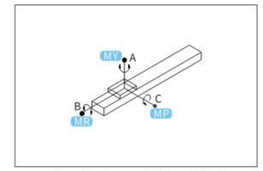
侧面安装		A	C
导程5 Lead	20kg	400	800
	30kg	300	600
	50kg	200	400
导程10 Lead	10kg	300	600
	20kg	200	400
	30kg	100	200
导程16 Lead	10kg	250	500
	20kg	150	300
	25kg	50	100
导程20 Lead	10kg	250	500
	20kg	150	300
	25kg	50	100



(单位:mm) (Unit:mm)

垂直安装		A	C
导程5 Lead	20kg	400	300
	30kg	300	200
	50kg	200	150
导程10 Lead	10kg	300	200
	15kg	200	180
	25kg	150	100
导程16 Lead	10kg	300	200
	20kg	200	150
	-	-	-
导程20 Lead	10kg	300	200
	20kg	200	150
	-	-	-

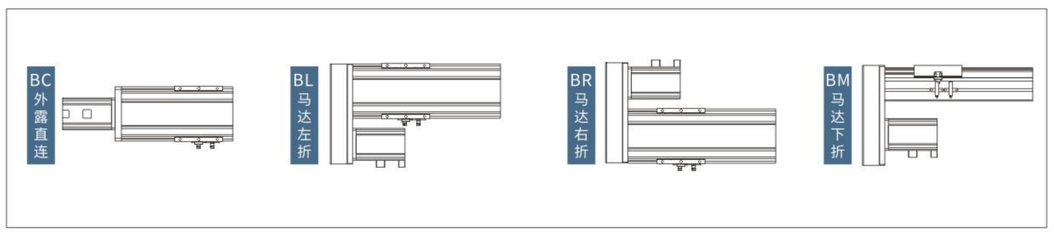
水平使用時 Static Loading Moment



水平使用时 When used horizontally (单位:mm) (Unit:mm)

MY	200(N.m)
MP	200(N.m)
MR	180(N.m)

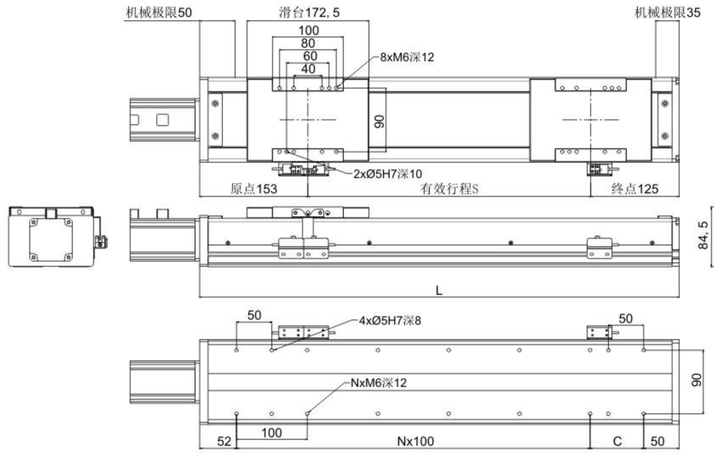
出轴方向一览表 List of shaft directions



MSDM120 Series

螺杆滑台/无尘环境
Screw slide table/dust-free environment

产品综合型录

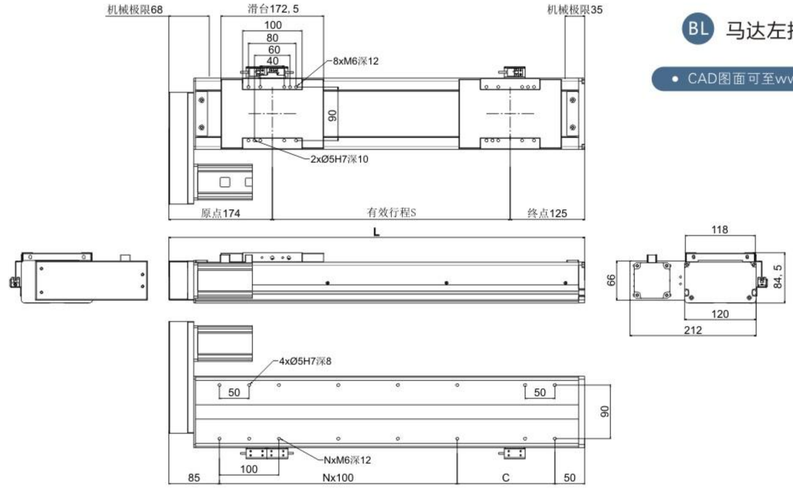


BC 马达外露 Motor Hidden In

• CAD图面可至www.dgshihai.com下载 •

单位 Unit:MM

有效行程 Stroke	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050
L	378	428	478	528	578	628	678	728	778	828	878	928	978	1028	1078	1128	1178	1228	1278	1328
C	76	126	76	126	76	126	76	126	76	126	76	126	76	126	76	126	76	126	76	126
N	2	2	3	3	4	4	5	5	6	6	7	7	8	8	9	9	10	10	11	11
重量(KG)	7.3	7.8	8.2	8.8	9.3	9.7	10.3	10.8	11.2	11.9	12.4	12.8	13.3	13.7	14.2	14.8	15.3	15.9	16.4	16.8

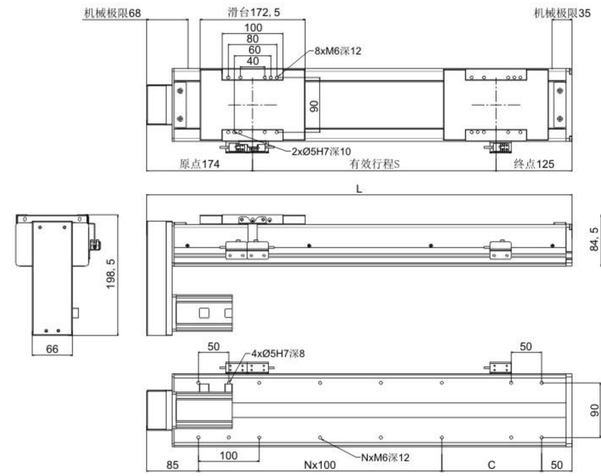


BL 马达左折 Motor Left Side

• CAD图面可至www.dgshihai.com下载 •

单位 Unit:MM

有效行程 Stroke	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050
L	399	449	499	549	599	649	699	749	799	849	899	949	999	1049	1099	1149	1199	1249	1299	1349
C	164	114	164	114	164	114	164	114	164	114	164	114	164	114	164	114	164	114	164	114
N	1	2	2	3	3	4	4	5	5	6	6	7	7	8	8	9	9	10	10	11
重量(KG)	7.3	7.8	8.2	8.8	9.3	9.7	10.3	10.8	11.2	11.9	12.4	12.8	13.3	13.7	14.2	14.8	15.3	15.9	16.4	16.8

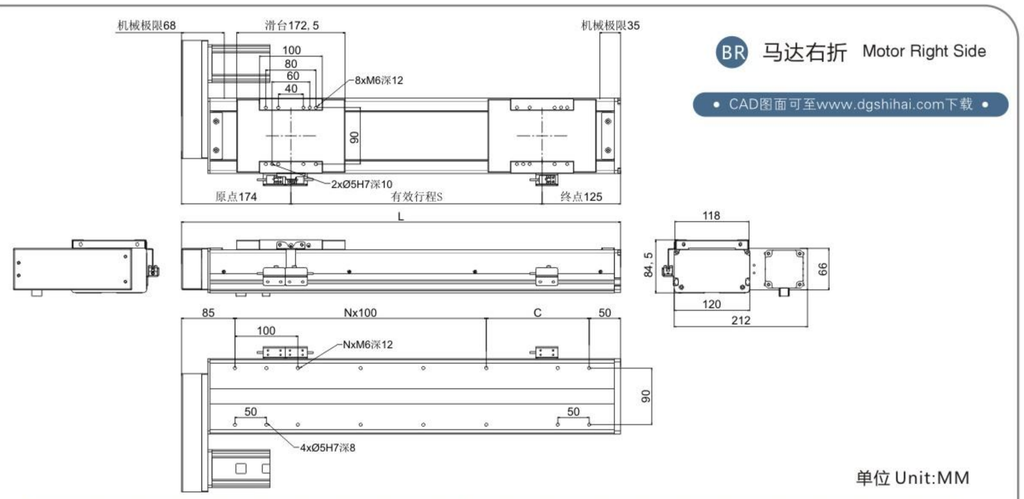


BM 马达下折 Motor On Lower Side

• CAD图面可至www.dgshihai.com下载 •

单位 Unit:MM

有效行程 Stroke	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050
L	399	449	499	549	599	649	699	749	799	849	899	949	999	1049	1099	1149	1199	1249	1299	1349
C	164	114	164	114	164	114	164	114	164	114	164	114	164	114	164	114	164	114	164	114
N	1	2	2	3	3	4	4	5	5	6	6	7	7	8	8	9	9	10	10	11
重量(KG)	7.3	7.8	8.2	8.8	9.3	9.7	10.3	10.8	11.2	11.9	12.4	12.8	13.3	13.7	14.2	14.8	15.3	15.9	16.4	16.8



BR 马达右折 Motor Right Side

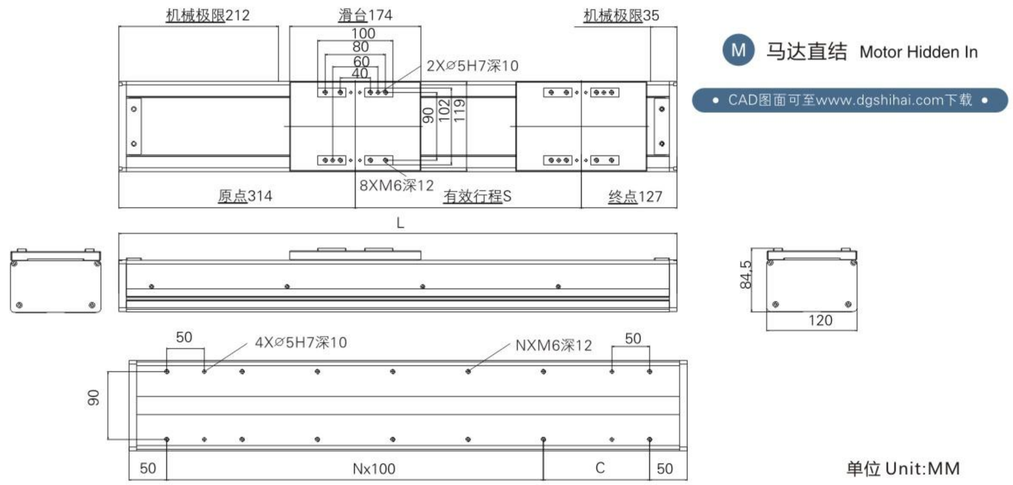
• CAD图面可至www.dgshihai.com下载 •

单位 Unit:MM

有效行程 Stroke	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050
L	399	449	499	549	599	649	699	749	799	849	899	949	999	1049	1099	1149	1199	1249	1299	1349
C	164	114	164	114	164	114	164	114	164	114	164	114	164	114	164	114	164	114	164	114
N	1	2	2	3	3	4	4	5	5	6	6	7	7	8	8	9	9	10	10	11
重量(KG)	7.3	7.8	8.2	8.8	9.3	9.7	10.3	10.8	11.2	11.9	12.4	12.8	13.3	13.7	14.2	14.8	15.3	15.9	16.4	16.8

MSDM120 Series

螺杆滑台/无尘环境
Screw slide table/dust-free environment



M 马达直结 Motor Hidden In

• CAD图面可至www.dgshihai.com下载 •

单位 Unit:MM

有效行程 Stroke	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050
L	541	591	641	691	741	791	841	891	941	991	1041	1091	1141	1191	1241	1291	1341	1391	1441	1491
C	141	91	141	91	141	91	141	91	141	91	141	91	141	91	141	91	141	91	141	91
N	3	4	4	5	5	6	6	7	7	8	8	9	9	10	10	11	11	12	12	13
重量(KG)	8	8.6	9.1	9.5	10	10.4	10.9	11.5	12	12.6	13	13.4	14	14.5	15	15.6	16.1	16.7	17.2	18