

特色説明 Features	LGF Series	LTF Series	LCF Series	LAF / LSF Series	LAU Series	LMR Series	控制器規格 Controller
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Memo

軸棒式線性馬達機械手

LMR (一般環境)

Shaft Bar Linear Motor Robot (Standard type)

Contents

小型 SMALL

LMR 20

本體寬幅 95mm
Width最大行程 990mm155
Max. stroke連續可搬重量 15kg
Continuous payload

中型 MEDIUM

LMR 25

本體寬幅 112mm
Width最大行程 1300mm 161
Max. stroke連續可搬重量 24kg
Continuous payload

大型 LAREGE

LMR 32

本體寬幅 120mm
Width最大行程 1940mm 167
Max. stroke連續可搬重量 51kg
Continuous payload

規格索引

Spec Index

LMR 軸棒式線性馬達機械手 (標準式)

LMR shaft bar linear motor robot (Standard type)

使用環境 Environment	傳動方式 Driven Mode	本體寬幅 Width of profile (mm)	仕樣 Specification	馬達數量 No. of motor	控制器容量 Controller capacity	重複精度 Repeatability(mm)	磁棒外徑 Outer dia. (mm)	連續推力 Continuous thrust (N)	連續可搬重量 [*] Continuous payload (kg)	最高速度 Maximum speed (mm/s)	
標準環境 Standard	軸棒型線性馬達 Shaft bar linear motor robot	95	LMR20-04-N	單馬達 Single motor	3A	±0.002	20	44	12	2500	
			LMR20-04-D	雙馬達 Double motor				44	12	2500	
			LMR20-05-N	單馬達 Single motor				55	15	2500	
			LMR20-05-D	雙馬達 Double motor				55	15	2500	
		112	LMR25-04-N	單馬達 Single motor			25	64	16	2500	
			LMR25-04-D	雙馬達 Double motor				64	16	2500	
			LMR25-06-N	單馬達 Single motor				96	24	2500	
			LMR25-06-D	雙馬達 Double motor				96	24	2500	
		120	LMR32-06-N	單馬達 Single motor			32	140	35	2500	
			LMR32-06-D	雙馬達 Double motor				140	35	2500	
			LMR32-08-N	單馬達 Single motor				187	51	2500	
			LMR32-08-D	雙馬達 Double motor				187	51	2500	

※ 連續可搬重量為在線速度 1m/s，最大加速度 5m/s² 之數據。

The continuous payload is the data when the robot runs with maximum speed 1m/s and acceleration 5m/s².

※ 若超過標準行程場合，請與本公司業務聯絡。

Please consult with our sales department for customized stroke.

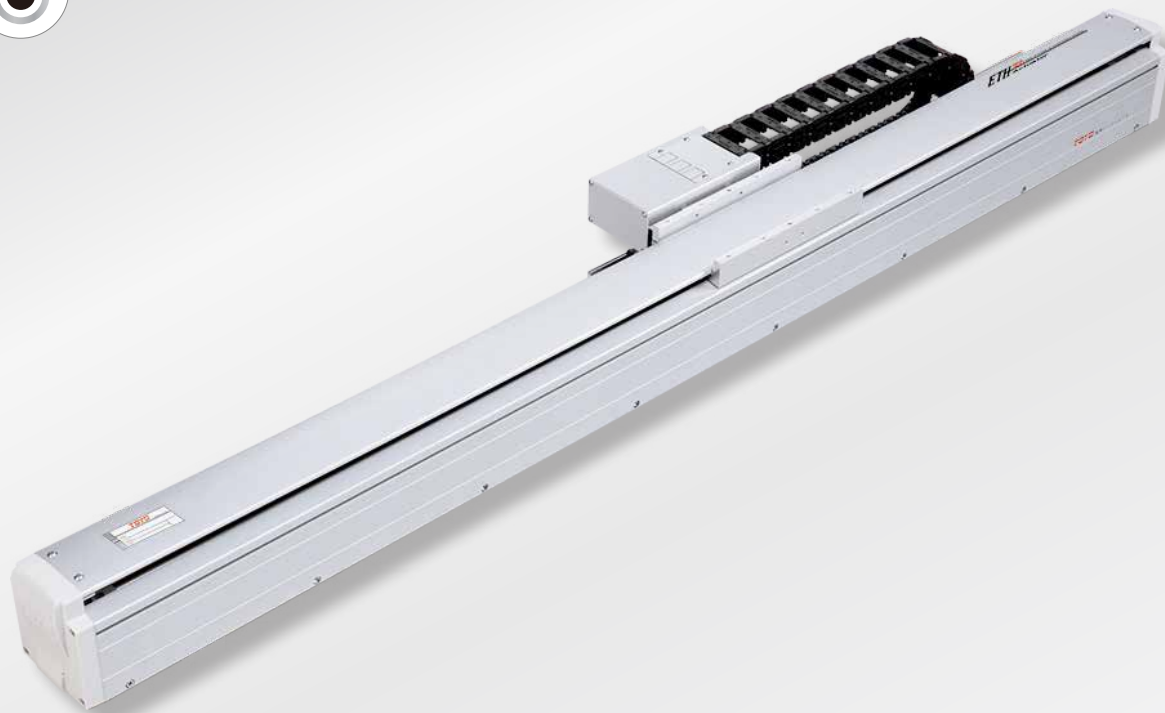


最高速度 Maximum Speed(mm/s)																						頁數 Page	
行程 Stroke	50	75	100	150	200	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900		2000
								250															155
								250															
								250															
								250															
								250															161
								250															
								250															
								250															
								2500															167
								2500															
								2500															
								2500															

LMR20

標準環境
Standard type

軸棒式 Shaft Bar



最大行程
Maximum Stroke

990mm

最高速度
Maximum Speed

2500mm/s

連續推力
Continuous Thrust

55N

連續可搬重量
Continuous Payload

20kg

定子外徑
Outer dia. of Stator

φ20mm

直線滑軌
Linear Guide

24×8.5mm 1pcs

型號表示方式 Ordering Method

LMR20 - 04 - RH - N - 990 - LS10 - R - 05 - S - A001

本體型號
Model

線圈推力
Thrust of motor

04

05

雙線圈
Double coil

N

單動子 Single mover

D

多動子 Multi mover

行程
Stroke

80~990mm

間隔60 Pitch 60mm

※行程範圍依線圈推力、馬達數量而異
※ Stroke range is different according to the pushing force and the number of the motor.

光學尺
Optical encoder

LS10

1μm光學尺 Optical encoder

LS05

0.5μm光學尺 Optical encoder

LS01

0.1μm光學尺 Optical encoder

MS10

1μm磁性尺-SIKO Magnetic encoder

TS10

1μm磁性尺-TOYO Magnetic encoder

光學尺原點方向
Optical scale original point

R

右 Right

L

左 Left

對應驅動器
Corresponding controller

N 無選配 None

LD100 東佑達 Toyo

S 高創 Gotrend

M 三菱 Mitsubishi

P 松下 Panasonic

D 台達 Delta

線長
Cable length

N 無配線 None

05 5m

08 8m

12 12m

※標配5m，長度包含履帶線槽段。
※ Standard:5m, including the length of cable chain.
※特殊線長特注，請與本公司業務聯絡。
※ Please consult with our sales department for customized cable length.

線槽固定方式
Cable chain fixing method

RH 本體水平固定 Horizontally fixed

LW 本體壁掛固定 Wall mounting

特注式樣
Customization order no.

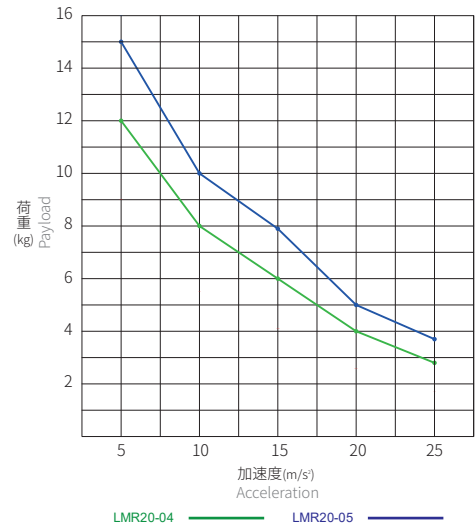
基本仕様 Specification

規格 Spec	型號 Model		LMR20-04		LMR20-05	
	重複精度 Repeatability (mm)		±0.002			
	最大推力 Mxa. Thrust (N)		177		221	
	連續推力 Rated Thrust (N)		44		55	
	連續可搬重量 Mxa. Payload (kg)※1		11		14	
	標準行程 Stroke (mm)	單馬達 N	150-990/60 間隔 pitch		180-960/60 間隔 pitch	
		雙馬達 D	80-800/60 間隔 pitch		80-740/60 間隔 pitch	
最高速度 Maximum Speed (mm/s)		2500				
部品 Parts	定子外徑 Outer Dia. of Stator (mm)		ø 20			
	光學尺廠牌 Brand of Linear Scale		RENISHAW			
	讀頭 Reader		RH200X05A00A			
	Z 相原點 Origin of Z Phase		A-9541-0037			
	光學尺解析度 Resolution of Linear Scale (μm)		標準 Standard	1	選配 Optional	0.5/0.1

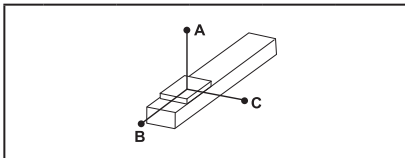
※1 連續可搬重量為到達線速度 1m/s, 最大加速度 5m/s² 固定行程來回, 不同情況會有不同。

The continuous payload is the data when the robot runs with maximum speed 1m/s and acceleration 5m/s².
Different application will have different result.

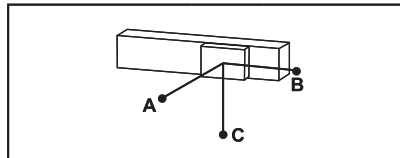
加速度 - 連續可搬重量 Acceleration-Continuous Payload



容許負載力距表 Allowable Overhang



(單位 Unit : mm)



(單位 Unit : mm)

水平安裝 Horizontal Installation ※2

LMR20 - 04 - RH	速度 Speed (m/s)	荷重 Load (kg)	A	B	C
	1	12	375	100	39
	1	5.5	890	253	99
	1.5	6.5	305	143	53
	1.5	3	710	345	128
	2	4	265	193	66
	2	2	559	415	141
	2.5	3.2	250	248	78
	2.5	1.5	559	560	175
	2.5	2	515	520	137
LMR20 - 05 - RH	速度 Speed (m/s)	荷重 Load (kg)	A	B	C
	1	15	360	92	29
	1	7.5	790	220	70
	1.5	9.2	256	115	35
	1.5	4.5	570	275	84
	2	5.6	225	390	46
	2	2.5	550	405	115
	2.5	3.8	260	255	67
	2.5	2	515	520	137
	2.5	2	515	520	137

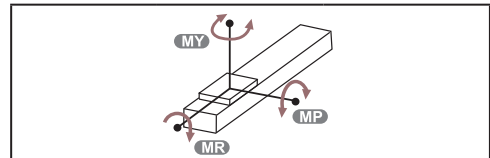
壁掛安裝 Wall Installation ※2

LMR20 - 04 - LW	速度 Speed (m/s)	荷重 Load (kg)	A	B	C
	1	12	39	100	374
	1	6	90	230	810
	1.5	7	49	131	280
	1.5	3.5	108	294	600
	2	4	66	193	265
	2	2	142	415	560
	2.5	2.9	86	275	280
	2.5	1.5	175	560	560
	2.5	2	137	520	520
LMR20 - 05 - LW	速度 Speed (m/s)	荷重 Load (kg)	A	B	C
	1	15	29	92	355
	1	7.5	70	220	790
	1.5	9	36	120	260
	1.5	4.5	84	275	570
	2	5.7	45	158	220
	2	2.5	115	405	550
	2.5	3.8	67	255	260
	2.5	2	137	520	520
	2.5	2	137	520	520

※2 相同速度下加速度時間不同, 加速度及荷重也隨之改變, 表為加速度時間 0.2s。

Even the speed is same, if acceleration and acceleration time is changed, the payload will be different.
Above chart is based on acceleration time 0.2 sec.

靜態容許負載慣量 Static Loading Moment



(單位 Unit : N.m)

LMR20 - 04	MY	63
	MP	63
	MR	26
LMR20 - 05	MY	79
	MP	79
	MR	26

對應控制器一覽表 Corresponding Controller Chart

外觀 Exterior	控制器型號 Controller Model	電氣規格 Electrical Spec	詳細參閱 Reference Page
	LD100-4 (400W)	單相 Single-phase 220V	P.173
	LD100-5 (750W)		

LMR20

標準環境
Standard type

軸棒式
Shaft Bar

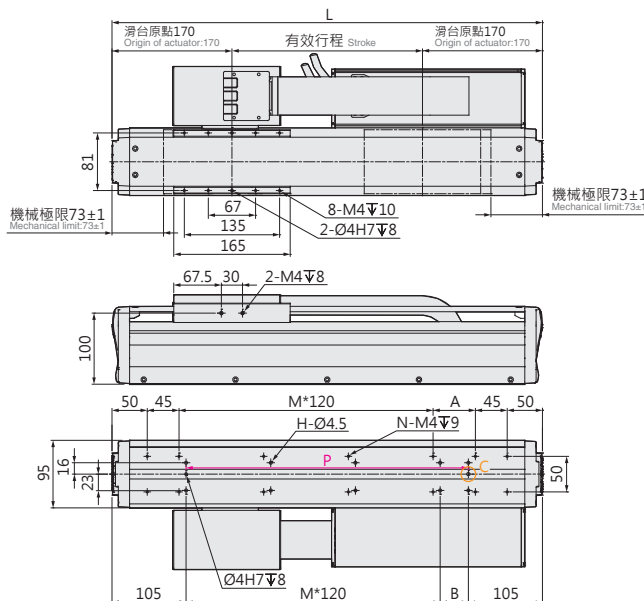
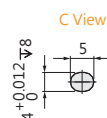
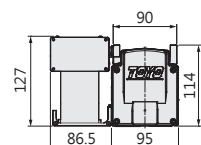
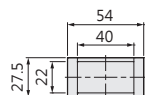
LMR20-04-RHN



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單位 Unit : mm

履帶截面圖
Sectional view of connecting track



有效行程 Stroke	150	210	270	330	390	450	510	570	630	690	750	810	870	930	990
L	490	550	610	670	730	790	850	910	970	1030	1090	1150	1210	1270	1330
A	60	120	60	120	60	120	60	120	60	120	60	120	60	120	60
B	40	100	40	100	40	100	40	100	40	100	40	100	40	100	40
P	280	340	400	460	520	580	640	700	760	820	880	940	1000	1060	1120
M	2	2	3	3	4	4	5	5	6	6	7	7	8	8	9
N	12	12	14	14	16	16	18	18	20	20	22	22	24	24	26
H	8	8	10	10	12	12	14	14	16	16	18	18	20	20	22
KG	9.2	9.9	10.6	11.3	12	12.6	13.3	14	14.7	15.3	16	16.7	17.4	18.1	18.7

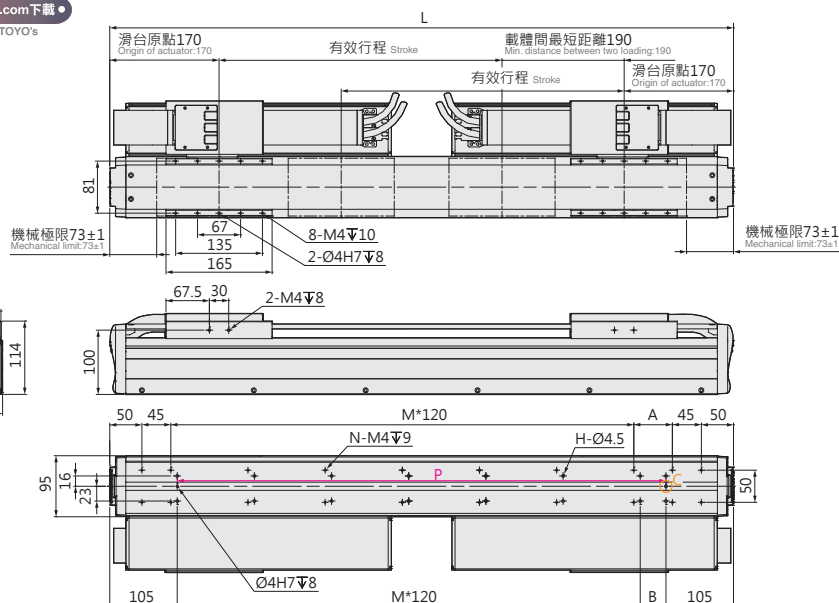
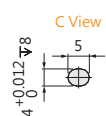
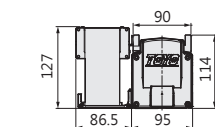
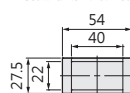
LMR20-04-RHD



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單位 Unit : mm

履帶截面圖
Sectional view of connecting track



有效行程 Stroke	80	140	200	260	320	380	440	500	560	620	680	740	800
L	610	670	730	790	850	910	970	1030	1090	1150	1210	1270	1330
A	60	120	60	120	60	120	60	120	60	120	60	120	60
B	40	100	40	100	40	100	40	100	40	100	40	100	40
P	400	460	520	580	640	700	760	820	880	940	1000	1060	1120
M	3	3	4	4	5	5	6	6	7	7	8	8	9
N	14	14	16	16	18	18	20	20	22	22	24	24	26
H	10	10	12	12	14	14	16	16	18	18	20	20	22
KG	15.1	15.8	16.4	17.1	17.8	18.5	19.2	19.8	20.5	21.2	21.9	22.6	23.2

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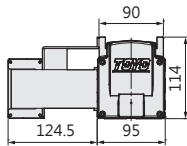
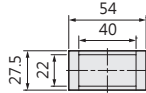
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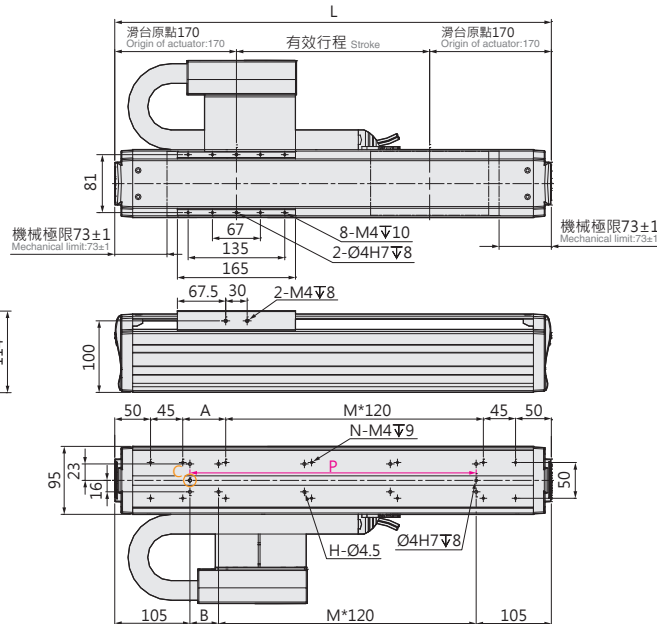
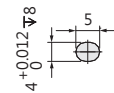
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單位 Unit : mm

履帶截面圖
Sectional view of connecting track

C View



有效行程 Stroke	150	210	270	330	390	450	510	570	630	690	750	810	870	930	990
L	490	550	610	670	730	790	850	910	970	1030	1090	1150	1210	1270	1330
A	60	120	60	120	60	120	60	120	60	120	60	120	60	120	60
B	40	100	40	100	40	100	40	100	40	100	40	100	40	100	40
P	280	340	400	460	520	580	640	700	760	820	880	940	1000	1060	1120
M	2	2	3	3	4	4	5	5	6	6	7	7	8	8	9
N	12	12	14	14	16	16	18	18	20	20	22	22	24	24	26
H	8	8	10	10	12	12	14	14	16	16	18	18	20	20	22
KG	9.2	9.9	10.5	11.2	11.8	12.5	13.1	13.8	14.4	15.1	15.7	16.4	17	17.7	18.3

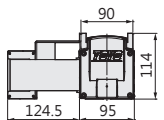
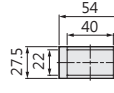
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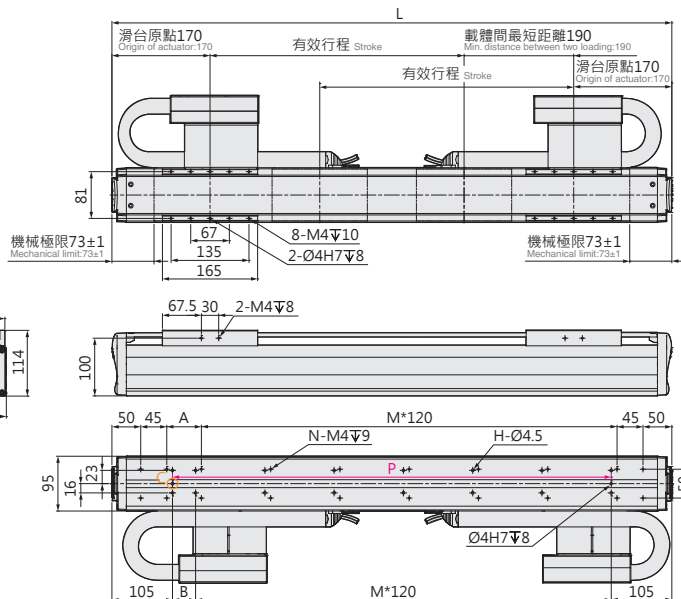
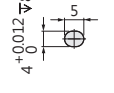
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單位 Unit : mm

履帶截面圖
Sectional view of connecting track

C View



有效行程 Stroke	80	140	200	260	320	380	440	500	560	620	680	740	800
L	610	670	730	790	850	910	970	1030	1090	1150	1210	1270	1330
A	60	120	60	120	60	120	60	120	60	120	60	120	60
B	40	100	40	100	40	100	40	100	40	100	40	100	40
P	400	460	520	580	640	700	760	820	880	940	1000	1060	1120
M	3	3	4	4	5	5	6	6	7	7	8	8	9
N	14	14	16	16	18	18	20	20	22	22	24	24	26
H	10	10	12	12	14	14	16	16	18	18	20	20	22
KG	15.2	15.8	16.4	17	17.6	18.2	18.8	19.4	20	20.6	21.2	21.8	22.4

LMR20

標準環境
Standard type

軸棒式
Shaft Bar

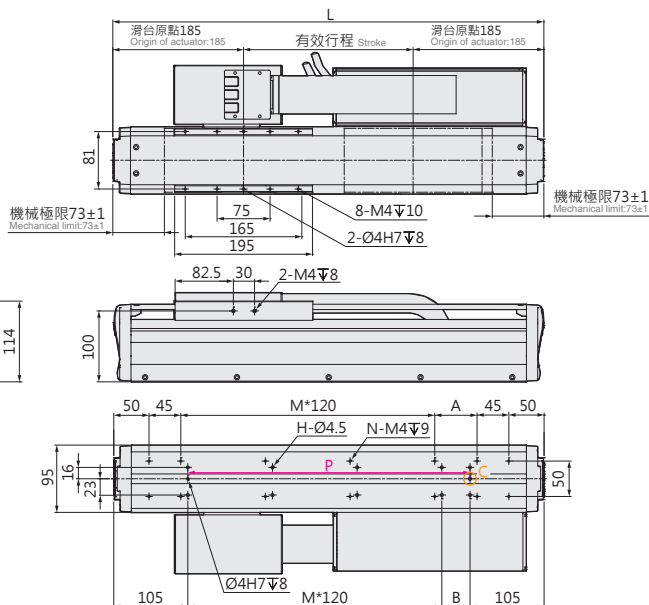
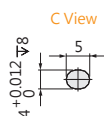
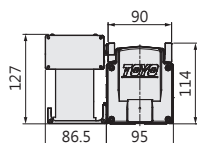
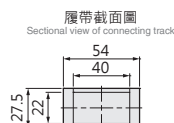
LMR20-05-RHN



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單位 Unit : mm



有效行程 Stroke	180	240	300	360	420	480	540	600	660	720	780	840	900	960
L	550	610	670	730	790	850	910	970	1030	1090	1150	1210	1270	1330
A	120	60	120	60	120	60	120	60	120	60	120	60	120	60
B	100	40	100	40	100	40	100	40	100	40	100	40	100	40
P	340	400	460	520	580	640	700	760	820	880	940	1000	1060	1120
M	2	3	3	4	4	5	5	6	6	7	7	8	8	9
N	12	14	14	16	16	18	18	20	20	22	22	24	24	26
H	8	10	10	12	12	14	14	16	16	18	18	20	20	22
KG	10.2	10.9	11.6	12.3	12.9	13.6	14.3	15	15.7	16.3	17	17.7	18.4	19

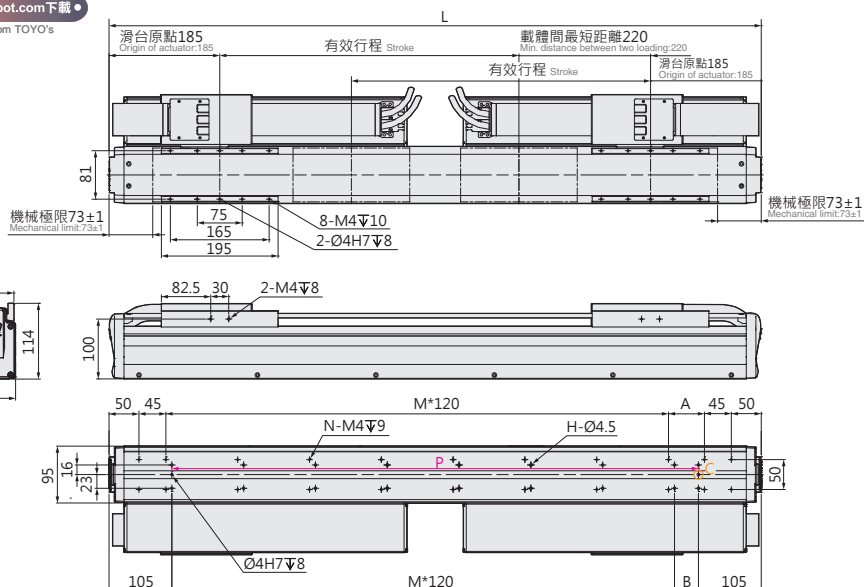
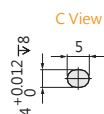
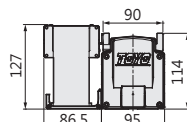
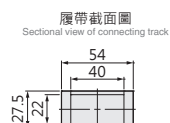
LMR20-05-RHD



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單位 Unit : mm



有效行程 Stroke	80	140	200	260	320	380	440	500	560	620	680	740
L	670	730	790	850	910	970	1030	1090	1150	1210	1270	1330
A	120	60	120	60	120	60	120	60	120	60	120	60
B	100	40	100	40	100	40	100	40	100	40	100	40
P	460	520	580	640	700	760	820	880	940	1000	1060	1120
M	3	4	4	5	5	6	6	7	7	8	8	9
N	14	16	16	18	18	20	20	22	22	24	24	26
H	10	12	12	14	14	16	16	18	18	20	20	22
KG	16.3	17	17.7	18.4	18.5	19.7	20.4	21.1	21.8	22.4	23.1	23.8

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Toll-Free Number China Taiwan

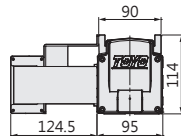
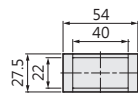
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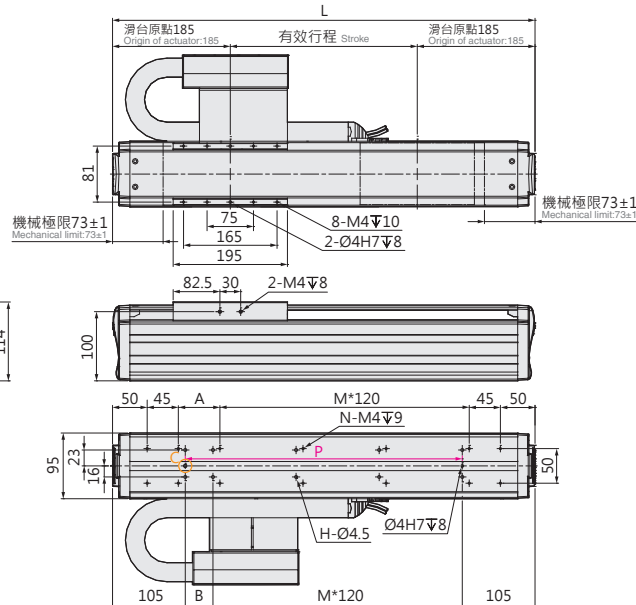
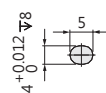
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單位 Unit : mm

履帶截面圖
Sectional view of connecting track



C View



有效行程 Stroke	180	240	300	360	420	480	540	600	660	720	780	840	900	960
L	550	610	670	730	790	850	910	970	1030	1090	1150	1210	1270	1330
A	120	60	120	60	120	60	120	60	120	60	120	60	120	60
B	100	40	100	40	100	40	100	40	100	40	100	40	100	40
P	340	400	460	520	580	640	700	760	820	880	940	1000	1060	1120
M	2	3	3	4	4	5	5	6	6	7	7	8	8	9
N	12	14	14	16	16	18	18	20	20	22	22	24	24	26
H	8	10	10	12	12	14	14	16	16	18	18	20	20	22
KG	10.3	11	11.6	12.2	12.8	13.5	14.1	14.7	15.1	16	16.6	17.2	17.9	18.5

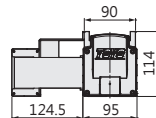
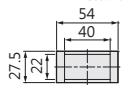
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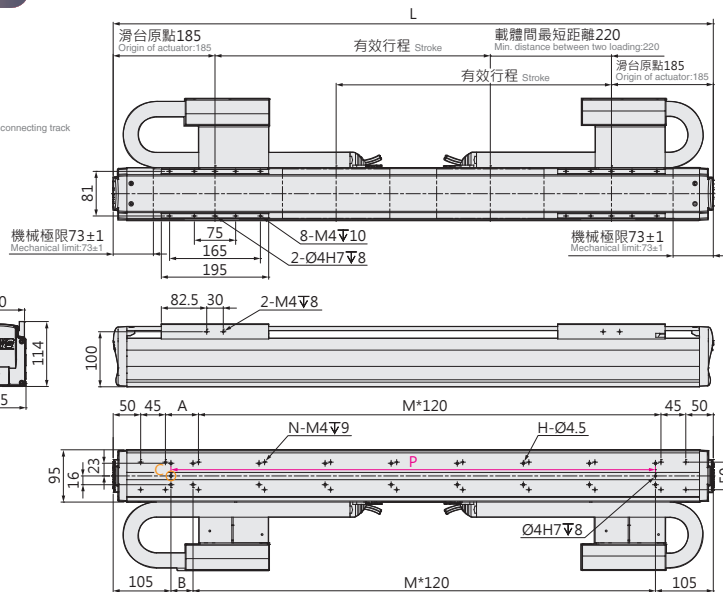
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Please do wnload the CAD file from TOYO's website : www.toyorobot.com

單位 Unit : mm

履帶截面圖
Sectional view of connecting track



C View



有效行程 Stroke	80	140	200	260	320	380	440	500	560	620	680	740
L	670	730	790	850	910	970	1030	1090	1150	1210	1270	1330
A	120	60	120	60	120	60	120	60	120	60	120	60
B	100	40	100	40	100	40	100	40	100	40	100	40
P	460	520	580	640	700	760	820	880	940	1000	1060	1120
M	3	4	4	5	5	6	6	7	7	8	8	9
N	14	16	16	18	18	20	20	22	22	24	24	26
H	10	12	12	14	14	16	16	18	18	20	20	22
KG	16.4	17	17.6	18.2	18.8	19.4	20	20.6	21.2	21.8	22.4	23

LMR25

標準環境
Standard type

軸棒式 Shaft Bar



最大行程
Maximum Stroke

1300mm

最高速度
Maximum Speed

2500mm/s

連續推力
Continuous Thrust

96N

連續可搬重量
Continuous Payload

24kg

定子外徑
Outer dia. of Stator

φ25mm

直線滑軌
Linear Guide

42×9.5mm 1pcs

型號表示方式 Ordering Method

LMR25 - 04 - RH - N - 1300 - LS10 - R - 05 - S - A001

本體型號
Model

線圈推力
Thrust of motor

04

05

雙線圈
Double coil

N

單動子 Single mover

D

多動子 Multi mover

行程
Stroke

50~1300mm

間隔60 Pitch 60mm

※行程範圍依線圈推力、馬達數量而異
※ Stroke range is different according to the pushing force and the number of the motor.

光學尺
Optical encoder

LS10

1μm光學尺 Optical encoder

LS05

0.5μm光學尺 Optical encoder

LS01

0.1μm光學尺 Optical encoder

MS10

1μm磁性尺-SIKO Magnetic encoder

TS10

1μm磁性尺-TOYO Magnetic encoder

光學尺原點方向
Optical scale original point

R

右 Right

L

左 Left

對應驅動器
Corresponding controller

N 無選配 None

LD100 東佑達 Toyo

S 高創 Gotrend

M 三菱 Mitsubishi

P 松下 Panasonic

D 台達 Delta

線長
Cable length

N 無配線 None

05 5m

08 8m

12 12m

※標配5m，長度包含履帶線槽段。
※ Standard:5m, including the length of cable chain.
※特殊線長特注，請與本公司業務聯絡。
※ Please consult with our sales department for customized cable length.

線槽固定方式
Cable chain fixing method

RH 本體水平固定 Horizontally fixed

LW 本體壁掛固定 Wall mounting

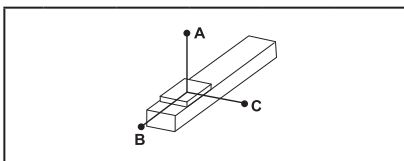
基本仕様 Specification

規格 Spec	型號 Model		LMR25-04		LM25-06	
	重複精度 Repeatability (mm)		±0.002			
	最大推力 Mxa. Thrust (N)		257		386	
	連續推力 Rated Thrust (N)		64		96	
	連續可搬重量 Mxa. Payload (kg)※1		16		24	
	標準行程 Stroke (mm)	單馬達 N	100-1300 / 60 間隔 pitch		120-1260 / 60 間隔 pitch	
		雙馬達 D	70-1090 / 60 間隔 pitch		50-1010 / 60 間隔 pitch	
最高速度 Maximum Speed (mm/s)		2500				
部品 Parts	定子外徑 Outer Dia. of Stator (mm)		Ø 25			
	光學尺廠牌 Brand of Linear Scale		RENISHAW			
	讀頭 Reader		RH200X05A00A			
	Z 相原點 Origin of Z Phase		A-9541-0037			
	光學尺解析度 Resolution of Linear Scale (μm)		標準 Standard	1	選配 Optional	0.5/0.1

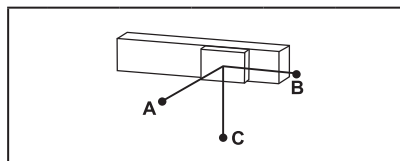
※1 連續可搬重量為到達線速度 1m/s，最大加速度 5m/s² 固定行程來回，不同情況會有不同。

The continuous payload is the data when the robot runs with maximum speed 1m/s and acceleration 5m/s². Different application will have different result.

容許負載力距表 Allowable Overhang



(單位 Unit : mm)



(單位 Unit : mm)

水平安裝 Horizontal Installation ※2

	速度 Speed (m/s)	荷重 Load (kg)	A	B	C
LMR25 - 04 - RH	1	16	550	151	92
	1	8	1155	333	204
	1.5	8.8	435	210	116
	1.5	4.5	890	440	245
	2	5.3	385	283	138
	2	2.5	850	635	310
	2.5	3.4	460	460	198
LMR25 - 06 - RH	2.5	1.5	1070	1080	465
	1	24	440	114	54
	1	12	980	276	132
	1.5	13.7	345	160	72
	1.5	6.5	790	385	170
	2	8.4	305	218	88
	2	4	680	505	202
	2.5	5.6	350	350	127
	2.5	3	685	685	250

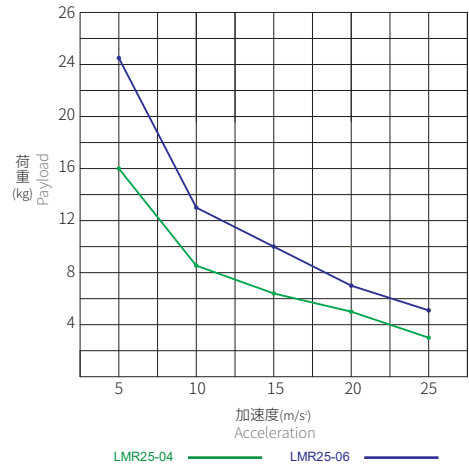
壁掛安裝 Wall Installation ※2

	速度 Speed (m/s)	荷重 Load (kg)	A	B	C
LMR25 - 04 - LW	1	16	92	150	550
	1	8	204	333	1155
	1.5	8.8	116	210	435
	1.5	4.5	246	440	890
	2	5.3	138	284	385
	2	2.5	310	635	850
	2.5	3.4	198	455	458
LMR25 - 06 - LW	2.5	1.5	465	1080	1070
	1	24	54	114	440
	1	12	132	275	990
	1.5	13.7	72	160	345
	1.5	7	158	355	730
	2	8.4	88	218	305
	2	4	204	505	680
	2.5	5.6	126	350	350
	2.5	3	250	685	685

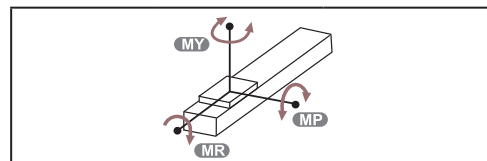
※2 相同速度下加速度時間不同，加速度及荷重也隨之改變，表為加速度時間 0.2s。

Even the speed is same, if acceleration and acceleration time is changed, the payload will be different. Above chart is based on acceleration time 0.2 sec.

加速度 - 連續可搬重量 Acceleration-Continuous Payload



靜態容許負載慣量 Static Loading Moment



(單位 Unit : N.m)

LMR25 - 04	MY	112
	MP	112
	MR	74
LMR25 - 06	MY	147
	MP	147
	MR	74

對應控制器一覽表 Corresponding Controller Chart

外觀 Exterior	控制器型號 Controller Model	電氣規格 Electrical Spec	詳細參閱 Reference Page
	LD100-4 (400W)	單相 Single-phase 220V	P.173
	LD100-5 (750W)		

LMR25

標準環境
Standard type軸棒式
Shaft Bar

LMR25-04-RHN

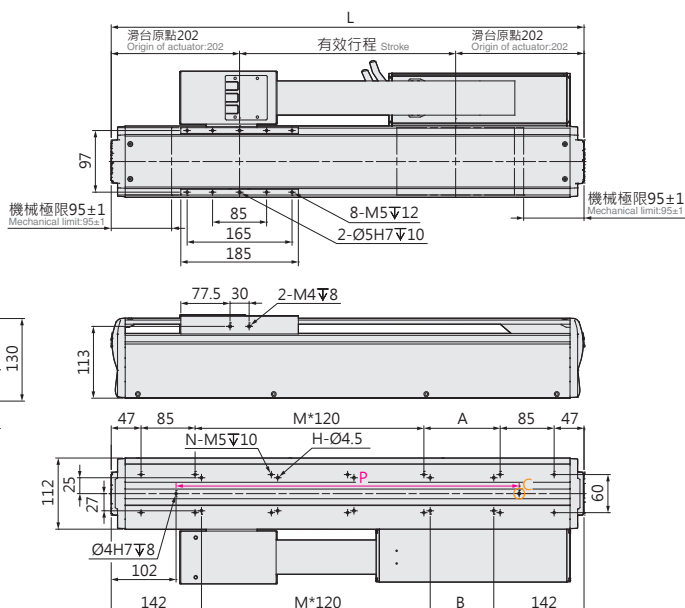
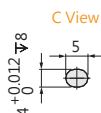
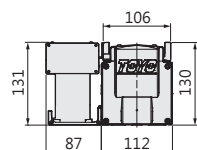
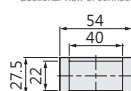


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單位 Unit : mm

履帶截面圖
Sectional view of connecting track



有效行程 Stroke	100	160	220	280	340	400	460	520	580	640	700	760	820	880	940	1000	1060	1120	1180	1240	1300
L	504	564	624	684	744	804	864	924	984	1044	1104	1164	1224	1284	1344	1404	1464	1524	1584	1644	1704
A	120	60	120	60	120	60	120	60	120	60	120	60	120	60	120	60	120	60	120	60	120
B	100	40	100	40	100	40	100	40	100	40	100	40	100	40	100	40	100	40	100	40	100
P	300	360	420	480	540	600	660	720	780	840	900	960	1020	1080	1140	1200	1260	1320	1380	1440	1500
M	1	2	2	3	3	4	4	5	5	6	6	7	7	8	8	9	9	10	10	11	11
N	10	12	12	14	14	16	16	18	18	20	20	22	22	24	24	26	26	28	28	30	30
H	6	8	8	10	10	12	12	14	14	16	16	18	18	20	20	22	22	24	24	26	26
KG	11.6	12.5	13.5	14.5	15.4	16.4	17.3	18.3	19.3	20.2	21.2	22.1	23.1	24.1	25	26	27	27.9	28.9	29.8	30.8

LMR25-04-RHD

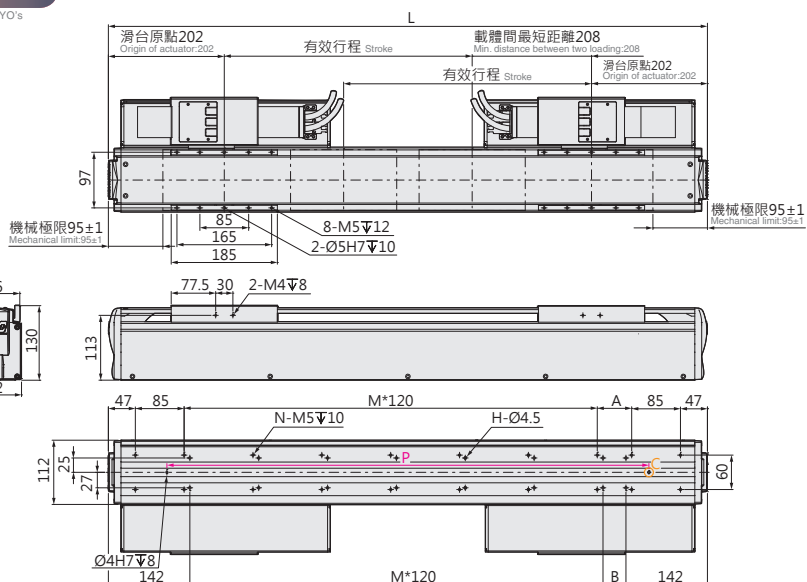
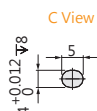
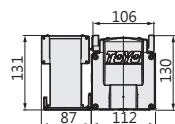
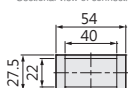


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單位 Unit : mm

履帶截面圖
Sectional view of connecting track

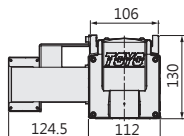
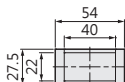


有效行程 Stroke	70	130	190	250	310	370	430	490	550	610	670	730	790	850	910	970	1030	1090
L	684	744	804	864	924	984	1044	1104	1164	1224	1284	1344	1404	1464	1524	1584	1644	1704
A	60	120	60	120	60	120	60	120	60	120	60	120	60	120	60	120	60	120
B	40	100	40	100	40	100	40	100	40	100	40	100	40	100	40	100	40	100
P	480	540	600	660	720	780	840	900	960	1020	1080	1140	1200	1260	1320	1380	1440	1500
M	3	3	4	4	5	5	6	6	7	7	8	8	9	9	10	10	11	11
N	14	14	16	16	18	18	20	20	22	22	24	24	26	26	28	28	30	30
H	10	10	12	12	14	14	16	16	18	18	20	20	22	22	24	24	26	26
KG	20	20.9	21.9	22.8	23.8	24.8	25.7	26.7	27.6	28.6	29.6	30.5	31.5	32.4	33.4	34.4	35.3	36.3

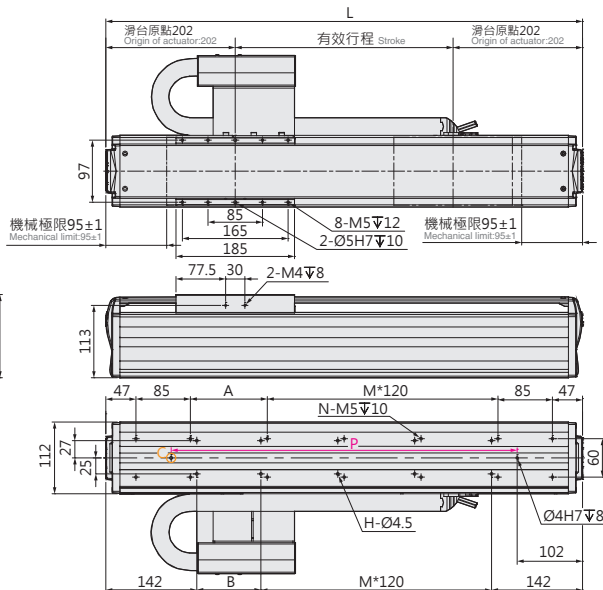
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履帶截面圖
Sectional view of connecting track



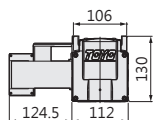
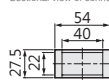
C View



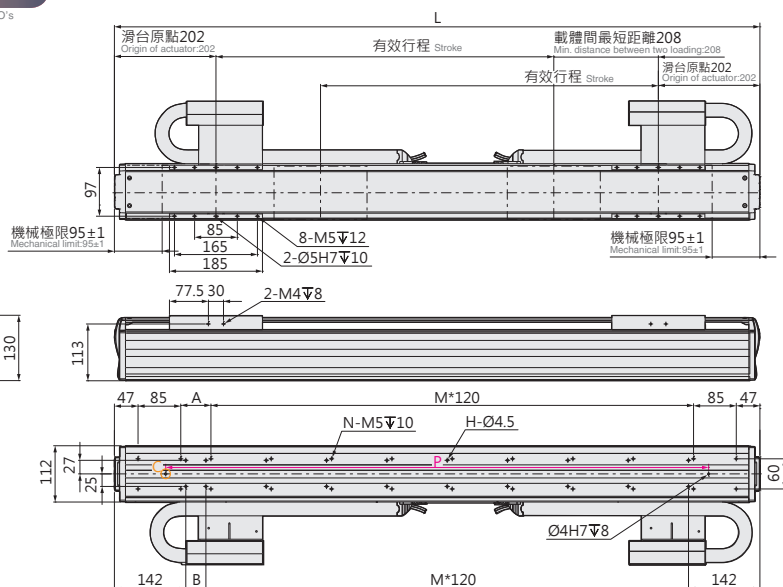
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L	504	564	624	684	744	804	864	924	984	1044	1104	1164	1224	1284	1344	1404	1464	1524	1584	1644	1704
A	120	60	120	60	120	60	120	60	120	60	120	60	120	60	120	60	120	60	120	60	120
B	100	40	100	40	100	40	100	40	100	40	100	40	100	40	100	40	100	40	100	40	100
P	300	360	420	480	540	600	660	720	780	840	900	960	1020	1080	1140	1200	1260	1320	1380	1440	1500
M	1	2	2	3	3	4	4	5	5	6	6	7	7	8	8	9	9	10	10	11	11
N	10	12	12	14	14	16	16	18	18	20	20	22	22	24	24	26	26	28	28	30	30
H	6	8	8	10	10	12	12	14	14	16	16	18	18	20	20	22	22	24	24	26	26
KG	11.8	12.7	13.6	14.5	15.4	16.3	17.2	18.1	19	20	20.9	21.8	22.7	23.6	24.5	25.4	26.3	27.2	28.1	29	30

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履帶截面圖
Sectional view of connecting track



C View



有效行程 Stroke	70	130	190	250	310	370	430	490	550	610	670	730	790	850	910	970	1030	1090
L	684	744	804	864	924	984	1044	1104	1164	1224	1284	1344	1404	1464	1524	1584	1644	1704
A	60	120	60	120	60	120	60	120	60	120	60	120	60	120	60	120	60	120
B	40	100	40	100	40	100	40	100	40	100	40	100	40	100	40	100	40	100
P	480	540	600	660	720	780	840	900	960	1020	1080	1140	1200	1260	1320	1380	1440	1500
M	3	3	4	4	5	5	6	6	7	7	8	8	9	9	10	10	11	11
N	14	14	16	16	18	18	20	20	22	22	24	24	26	26	28	28	30	30
H	10	10	12	12	14	14	16	16	18	18	20	20	22	22	24	24	26	26
KG	20	20	20.8	21.7	22.6	23.5	24.4	25.2	26.1	27	27.9	28.8	29.6	30.5	31.4	32.3	33.2	34

LMR25

標準環境
Standard type

軸棒式 Shaft Bar

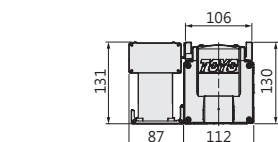
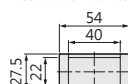
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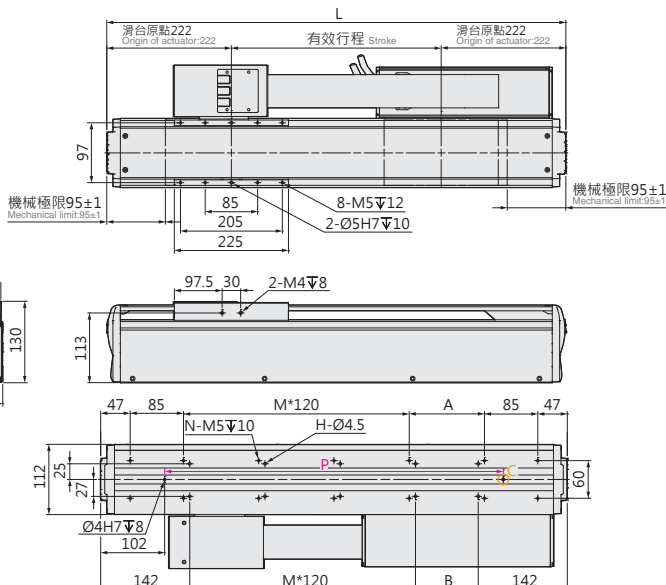
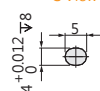
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單位 Unit : mm

履帶截面圖
Sectional view of connecting track



C View



有效行程 Stroke	120	180	240	300	360	420	480	540	600	660	720	780	840	900	960	1020	1080	1140	1200	1260
L	564	624	684	744	804	864	924	984	1044	1104	1164	1224	1284	1344	1404	1464	1524	1584	1644	1704
A	60	120	60	120	60	120	60	120	60	120	60	120	60	120	60	120	60	120	60	120
B	40	100	40	100	40	100	40	100	40	100	40	100	40	100	40	100	40	100	40	100
P	360	420	480	540	600	660	720	780	840	900	960	1020	1080	1140	1200	1260	1320	1380	1440	1500
M	2	2	3	3	4	4	5	5	6	6	7	7	8	8	9	9	10	10	11	11
N	12	12	14	14	16	16	18	18	20	20	22	22	24	24	26	26	28	28	30	30
H	8	8	10	10	12	12	14	14	16	16	18	18	20	20	22	22	24	24	26	26
KG	13.6	14.5	15.5	16.5	17.4	18.4	19.3	20.3	21.3	22.2	23.2	24.1	25.1	26.1	27	28	29	30	30.9	31.8

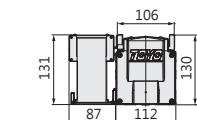
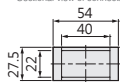
LMR25-06-RHD



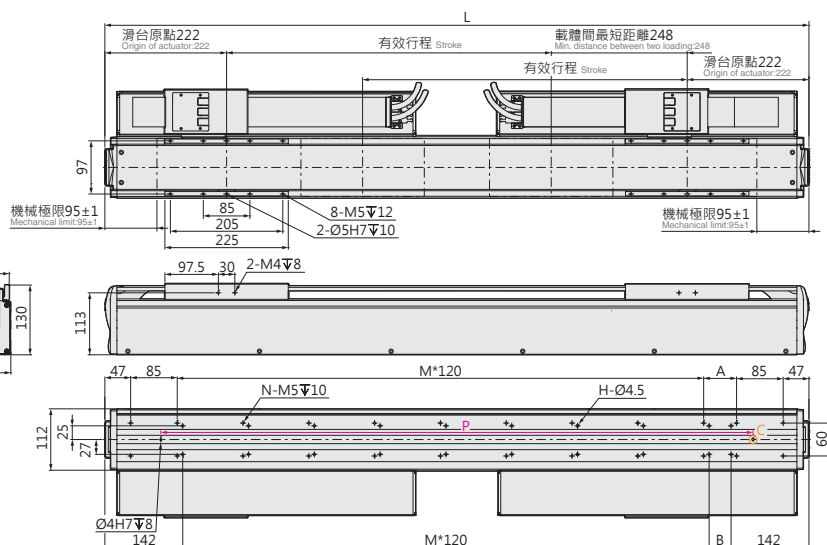
CAD圖面可至www.toyorobot.com下載
Please do wnload the CAD file from TOYO's website : www.toyorobot.com

單位 Unit : mm

履帶截面圖
Sectional view of connecting track



C View



有效行程 Stroke	50	110	170	230	290	350	410	470	530	590	650	710	770	830	890	950	1010
L	744	804	864	924	984	1044	1104	1164	1224	1284	1344	1404	1464	1524	1584	1644	1704
A	120	60	120	60	120	60	120	60	120	60	120	60	120	60	120	60	120
B	100	40	100	40	100	40	100	40	100	40	100	40	100	40	100	40	100
P	540	600	660	720	780	840	900	960	1020	1080	1140	1200	1260	1320	1380	1440	1500
M	3	4	4	5	5	6	6	7	7	8	8	9	9	10	10	11	11
N	14	16	16	18	18	20	20	22	22	24	24	26	26	28	28	30	30
H	10	12	12	14	14	16	16	18	18	20	20	22	22	24	24	26	26
KG	24.7	25.7	26.7	27.6	28.6	29.5	30.5	31.5	32.4	33.4	34.3	35.3	36.3	37.2	38.2	39.1	40.1

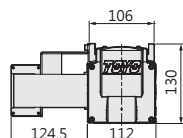
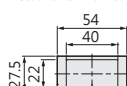
免費服務專線：大陸
Toll-Free Number: China

400-875-0009

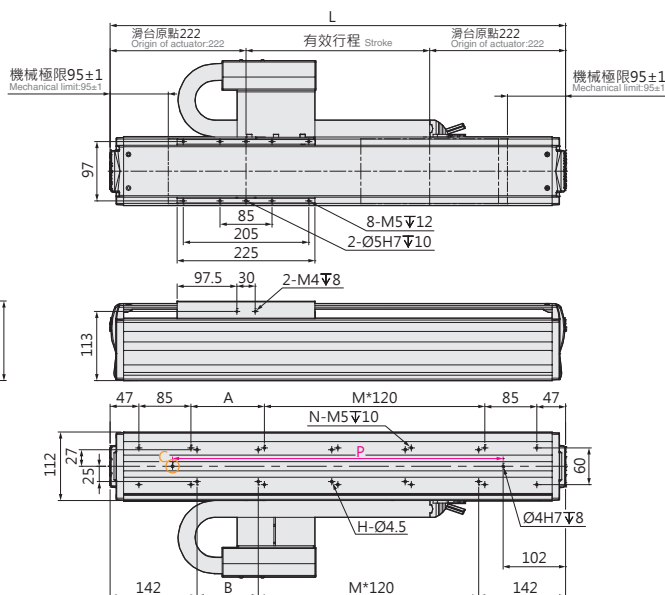
台灣 0800-800-893

Please do wnload the CAD file from TOYO's website : www.tovorobot.com

履帶截面圖
Sectional view of connecting track



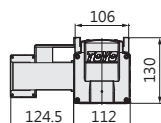
C View



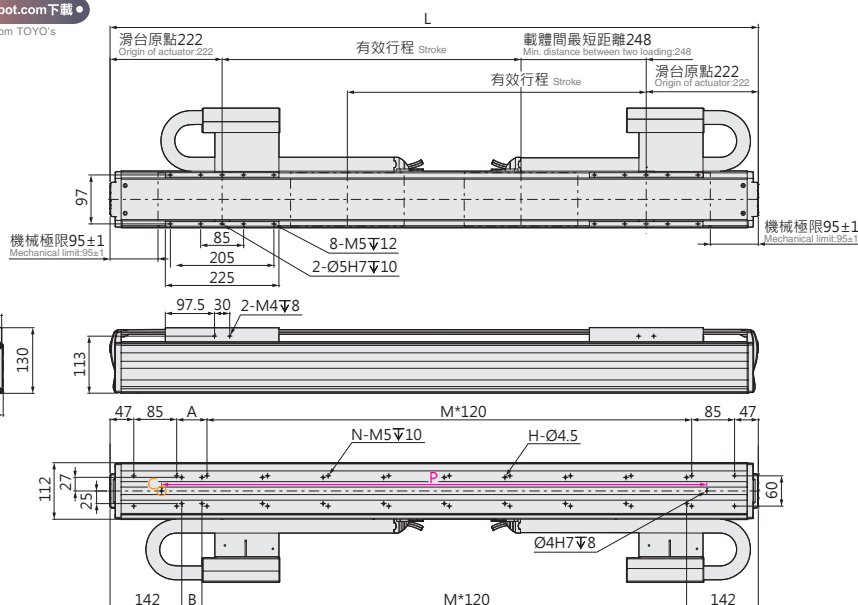
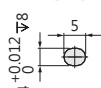
有效行程 Stroke	120	180	240	300	360	420	480	540	600	660	720	780	840	900	960	1020	1080	1140	1200	1260
L	564	624	684	744	804	864	924	984	1044	1104	1164	1224	1284	1344	1404	1464	1524	1584	1644	1704
A	60	120	60	120	60	120	60	120	60	120	60	120	60	120	60	120	60	120	60	120
B	40	100	40	100	40	100	40	100	40	100	40	100	40	100	40	100	40	100	40	100
P	360	420	480	540	600	660	720	780	840	900	960	1020	1080	1140	1200	1260	1320	1380	1440	1500
M	2	2	3	3	4	4	5	5	6	6	7	7	8	8	9	9	10	10	11	11
N	12	12	14	14	16	16	18	18	20	20	22	22	24	24	26	26	28	28	30	30
H	8	8	10	10	12	12	14	14	16	16	18	18	20	20	22	22	24	24	26	26
KG	13.7	14.6	15.5	16.4	17.3	18.2	19.1	20	20.9	21.9	22.8	23.7	24.6	25.5	26.4	27.3	28.2	29.1	30	31

Please do wnload the CAD file from TOYO's website : www.toyorobot.com

履帶截面圖
Sectional view of connecting track



C View



有效行程 Stroke	50	110	170	230	290	350	410	470	530	590	650	710	770	830	890	950	1010
L	744	804	864	924	984	1044	1104	1164	1224	1284	1344	1404	1464	1524	1584	1644	1704
A	120	60	120	60	120	60	120	60	120	60	120	60	120	60	120	60	120
B	100	40	100	40	100	40	100	40	100	40	100	40	100	40	100	40	100
P	540	600	660	720	780	840	900	960	1020	1080	1140	1200	1260	1320	1380	1440	1500
M	3	4	4	5	5	6	6	7	7	8	8	9	9	10	10	11	11
N	14	16	16	18	18	20	20	22	22	24	24	26	26	28	28	30	30
H	10	12	12	14	14	16	16	18	18	20	20	22	22	24	24	26	26
KG	24.7	25.6	26.5	27.4	28.3	29.1	30	30.9	31.8	32.7	33.5	34.4	35.3	36.2	37.1	38	38.8

LMR32

標準環境
Standard type

軸棒式 Shaft Bar



最大行程
Maximum Stroke

1940mm

最高速度
Maximum Speed

2500mm/s

連續推力
Continuous Thrust

187N

連續可搬重量
Continuous Payload

47kg

定子外徑
Outer dia. of Stator

φ32mm

直線滑軌
Linear Guide

42×9.5mm 1pcs

型號表示方式 Ordering Method

LMR32 - 04 - RH - N - 1940 - LS10 - R - 05 - S - A001

本體型號
Model

線圈推力
Thrust of motor

04

05

雙線圈
Double coil

N 單動子 Single mover

D 多動子 Multi mover

光學尺原點方向

Optical scale original point

R 右 Right

L 左 Left

特注式樣

Customization order no.

對應驅控器

Corresponding controller

N	無選配 None
LD100	東佑達 Toyo
S	高創 Gotrend
M	三菱 Mitsubishi
P	松下 Panasonic
D	台達 Delta

線長

Cable length

N	無配線 None
05	5m
08	8m
12	12m

※標配5m，長度包含履帶線槽段。
※標準5m，包括線槽長度。
※特殊線長特注，請與本公司業務聯絡。
※ Please consult with our sales department for customized cable length.

行程

Stroke

75~1940mm

間隔60 Pitch 60mm

※行程範圍依線圈推力、馬達數量而異
※ Stroke range is different according to the pushing force and the number of the motor.

光學尺

Optical encoder

LS10	1μm光學尺 Optical encoder
LS05	0.5μm光學尺 Optical encoder
LS01	0.1μm光學尺 Optical encoder
MS10	1μm磁性尺-SIKO Magnetic encoder
TS10	1μm磁性尺-TOYO Magnetic encoder

線槽固定方式

Cable chain fixing method

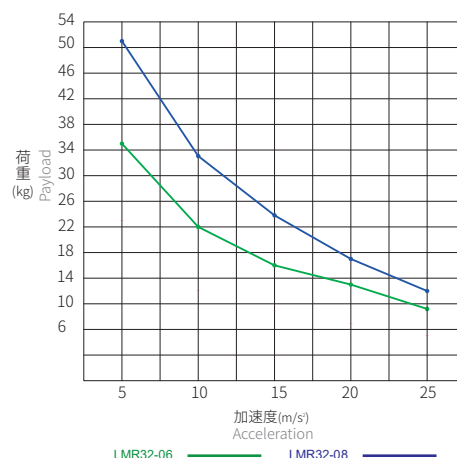
RH	本體水平固定 Horizontally fixed
LW	本體壁掛固定 Wall mounting

基本仕様 Specification

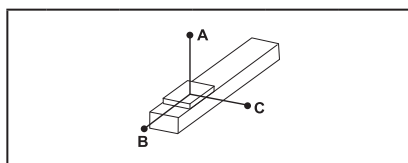
規格 Spec	型號 Model		LMR32-06		LM32-08	
	重複精度 Repeatability (mm)		±0.002			
	最大推力 Mxa. Thrust (N)		561		748	
	連續推力 Rated Thrust (N)		140		187	
	連續可搬重量 Mxa. Payload (kg)※1		35		47	
	標準行程 Stroke (mm)	單馬達 N	140-1940 / 60 間隔 pitch		140-1880 / 60 間隔 pitch	
		雙馬達 D	75-1695 / 60 間隔 pitch		80-1580 / 60 間隔 pitch	
最高速度 Maximum Speed (mm/s)		2500				
部品 Parts	定子外徑 Outer Dia. of Stator (mm)		ø 32			
	光學尺廠牌 Brand of Linear Scale		RENISHAW			
	讀頭 Reader		RH200X05A00A			
	Z 相原點 Origin of Z Phase		A-9541-0037			
	光學尺解析度 Resolution of Linear Scale (μm)	標準 Standard	1	選配 Optional	0.5/0.1	

※1 連續可搬重量為到達線速度 1m/s, 最大加速度 5m/s² 固定行程來回, 不同情況會有不同。The continuous payload is the data when the robot runs with maximum speed 1m/s and acceleration 5m/s². Different application will have different result.

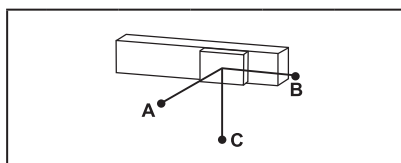
加速度 - 連續可搬重量 Acceleration-Continuous Payload



容許負載力距表 Allowable Overhang



(單位 Unit : mm)



(單位 Unit : mm)

水平安裝 Horizontal Installation ※2

	速度 Speed (m/s)	荷重 Load (kg)	A	B	C
LMR32-06 - RH	1	35	315	84	48
	1	17	720	203	116
	1.5	22	216	99	54
	1.5	11	480	230	125
	2	14.3	180	126	61
	2	7	400	294	140
	2.5	10	200	195	83
LMR32-08 - RH	2.5	5	425	425	180
	1	51	272	64	27
	1	25	660	180	77
	1.5	29	218	95	38
	1.5	15	480	225	92
	2	19	180	122	46
	2	10	380	275	102
LMR32-06 - LW	2.5	13	208	200	68
	2.5	6	495	490	165

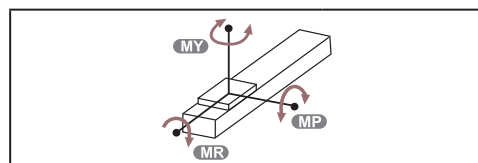
壁掛安裝 Wall Installation ※2

	速度 Speed (m/s)	荷重 Load (kg)	A	B	C
LMR32-06 - LW	1	38	43	72	285
	1	19	105	178	640
	1.5	22	54	99	205
	1.5	11	125	230	480
	2	14.1	62	129	182
	2	7	140	294	400
	2.5	10	83	195	200
LMR32-08 - LW	2.5	5	180	425	425
	1	51	27	55	230
	1	25	76	154	570
	1.5	29	38	81	185
	1.5	15	90	195	410
	2	19	44	105	152
	2	10	99	235	325
LMR32-08 - LW	2.5	13	65	173	178
	2.5	6.5	145	385	385

※2 相同速度下加速度時間不同, 加速度及荷重也隨之改變, 表為加速度時間 0.2s。

Even the speed is same, if acceleration and acceleration time is changed, the payload will be different. Above chart is based on acceleration time 0.2 sec.

靜態容許負載慣量 Static Loading Moment



(單位 Unit : N.m)

LMR32 - 06	MY	173
	MP	173
	MR	111
LMR32 - 08	MY	209
	MP	209
	MR	111

對應控制器一覽表 Corresponding Controller Chart

外觀 Exterior	控制器型號 Controller Model	電氣規格 Electrical Spec	詳細參閱 Reference Page
	LD100-4 (400W)	單相 Single-phase 220V	P.173
	LD100-5 (750W)		

LMR32

標準環境
Standard type軸棒式
Shaft Bar

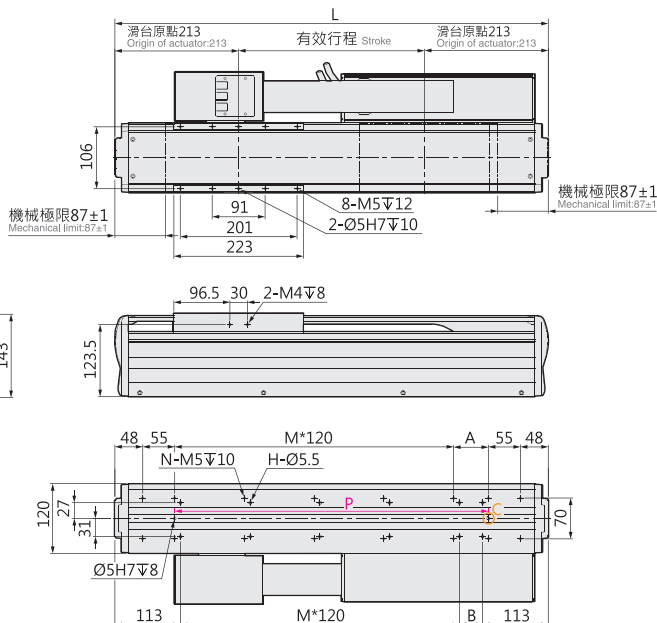
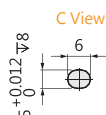
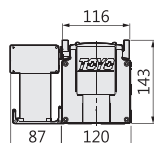
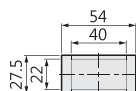
LMR32-06-RHN



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履帶截面圖
Sectional view of connecting track



單位 Unit : mm

有效行程 stroke	140	200	260	320	380	440	500	560	620	680	740	800	860	920	980	1040	1100	1160	1220	1280	1340	1400	1460	1520	1580	1640	1700	1760	1820	1880	1940
L	566	626	686	746	806	866	926	986	1046	1106	1166	1226	1286	1346	1406	1466	1526	1586	1646	1706	1766	1826	1886	1946	2006	2066	2126	2186	2246	2306	2366
A	120	60	120	60	120	60	120	60	120	60	120	60	120	60	120	60	120	60	120	60	120	60	120	60	120	60	120	60	120	60	120
B	100	40	100	40	100	40	100	40	100	40	100	40	100	40	100	40	100	40	100	40	100	40	100	40	100	40	100	40	100	40	100
P	360	420	480	540	600	660	720	780	840	900	960	1020	1080	1140	1200	1260	1320	1380	1440	1500	1560	1620	1680	1740	1800	1860	1920	1980	2040	2100	2160
M	2	3	3	4	4	5	5	6	6	7	7	8	8	9	9	10	10	11	11	12	12	13	13	14	14	15	15	16	16	17	17
N	12	14	14	16	16	18	18	20	20	22	22	24	24	26	26	28	28	30	30	32	32	34	34	36	36	38	38	40	40	42	42
H	8	10	10	12	12	14	14	16	16	18	18	20	20	22	22	24	24	26	26	28	28	30	30	32	32	34	34	36	36	38	38
KG	14.3	15.5	16.8	18	19.2	20.5	21.7	22.9	24.1	25.4	26.6	27.4	28.7	29.9	31.2	32.4	33.7	35.2	36.4	37.7	38.9	40.1	41.4	42.6	43.8	45	46.3	47.5	48.7	50	51.2

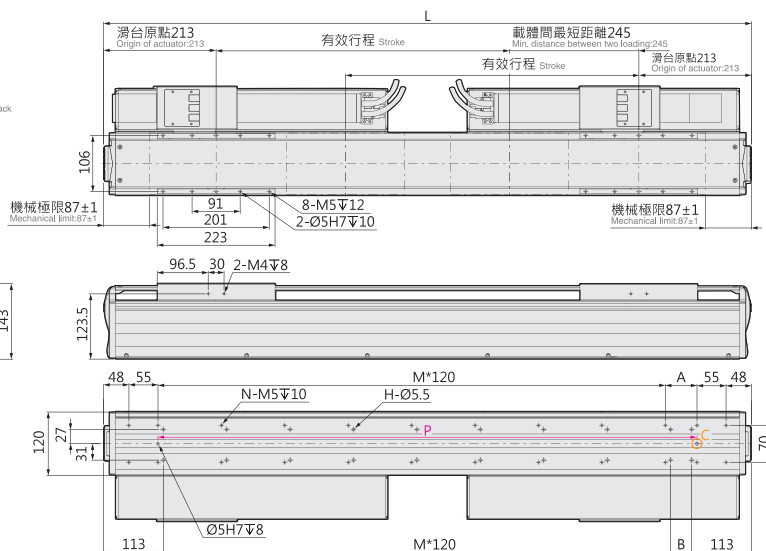
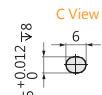
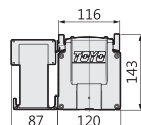
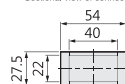
LMR32-06-RHD



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履帶截面圖
Sectional view of connecting track



單位 Unit : mm

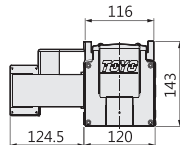
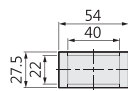
有效行程 stroke	75	135	195	255	315	375	435	495	555	615	675	735	795	855	915	975	1035	1095	1155	1215	1275	1335	1395	1455	1515	1575	1635	1695
L	746	806	866	926	986	1046	1106	1166	1226	1286	1346	1406	1466	1526	1586	1646	1706	1766	1826	1886	1946	2006	2066	2126	2186	2246	2306	2366
A	60	120	60	120	60	120	60	120	60	120	60	120	60	120	60	120	60	120	60	120	60	120	60	120	60	120	60	120
B	40	100	40	100	40	100	40	100	40	100	40	100	40	100	40	100	40	100	40	100	40	100	40	100	40	100	40	100
P	540	600	660	720	780	840	900	960	1020	1080	1140	1200	1260	1320	1380	1440	1500	1560	1620	1680	1740	1800	1860	1920	1980	2040	2100	2160
M	4	4	5	5	6	6	7	7	8	8	9	9	10	10	11	11	12	12	13	13	14	14	15	15	16	16	17	17
N	16	16	18	18	20	20	22	22	24	24	26	26	28	28	30	30	32	32	34	34	36	36	38	38	40	40	42	42
H	12	12	14	14	16	16	18	18	20	20	22	22	24	24	26	26	28	28	30	30	32	32	34	34	36	36	38	38
KG	24.5	25.7	27	28.1	29.4	30.6	31.8	33.1	33.9	35.15	36.4	37.7	38.9	40.2	41.7	42.9	44.1	45.4	46.6	47.8	49	50.3	51.5	52.7	54	55.2	56.4	57.7

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Toll-Free Number China Taiwan

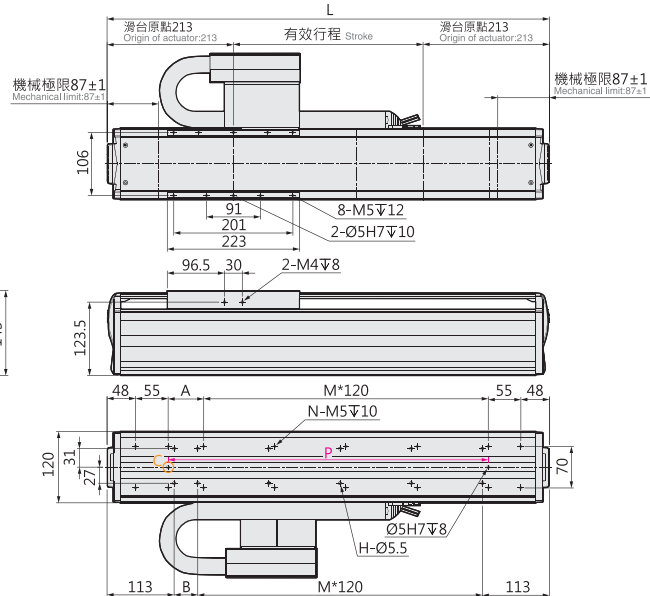
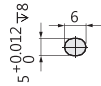
LMR32-06-LWN

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單位 Unit : mm

履帶截面圖
Sectional view of connecting track

C View

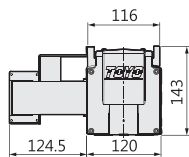
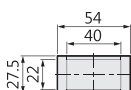


有效行程 stroke	140	200	260	320	380	440	500	560	620	680	740	800	860	920	980	1040	1100	1160	1220	1280	1340	1400	1460	1520	1580	1640	1700	1760	1820	1880	1940
L	566	626	686	746	806	866	926	986	1046	1106	1166	1226	1286	1346	1406	1466	1526	1586	1646	1706	1766	1826	1886	1946	2006	2066	2126	2186	2246	2306	2366
A	120	60	120	60	120	60	120	60	120	60	120	60	120	60	120	60	120	60	120	60	120	60	120	60	120	60	120	60	120	60	120
B	100	40	100	40	100	40	100	40	100	40	100	40	100	40	100	40	100	40	100	40	100	40	100	40	100	40	100	40	100	40	100
P	360	420	480	540	600	660	720	780	840	900	960	1020	1080	1140	1200	1260	1320	1380	1440	1500	1560	1620	1680	1740	1800	1860	1920	1980	2040	2100	2160
M	2	3	3	4	4	5	5	6	6	7	7	8	8	9	9	10	10	11	11	12	12	13	13	14	14	15	15	16	16	17	17
N	12	14	14	16	16	18	18	20	20	22	22	24	24	26	26	28	28	30	30	32	32	34	34	36	36	38	38	40	40	42	42
H	8	10	10	12	12	14	14	16	16	18	18	20	20	22	22	24	24	26	26	28	28	30	30	32	32	34	34	36	36	38	38
KG	14.6	15.7	16.9	18	19.2	20.3	21.5	22.6	23.8	24.9	26	27.2	28.4	29.5	30.7	31.8	33	34.1	35.3	36.4	37.6	38.7	39.9	41	42.1	43.3	44.5	45.6	46.8	47.9	49.1

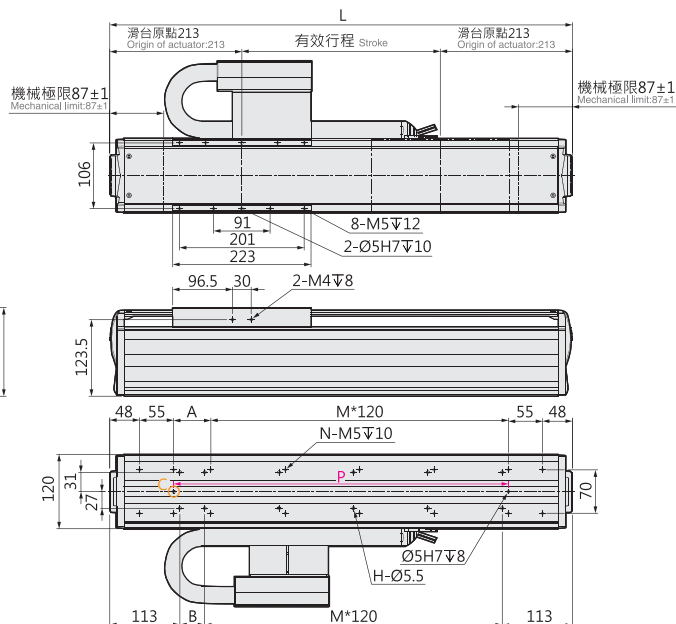
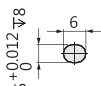
LMR32-LWD

● CAD圖面可至 www.toyorobot.com 下載 ●Please do wnload the CAD file from TOYO's website : www.toyorobot.com

單位 Unit : mm

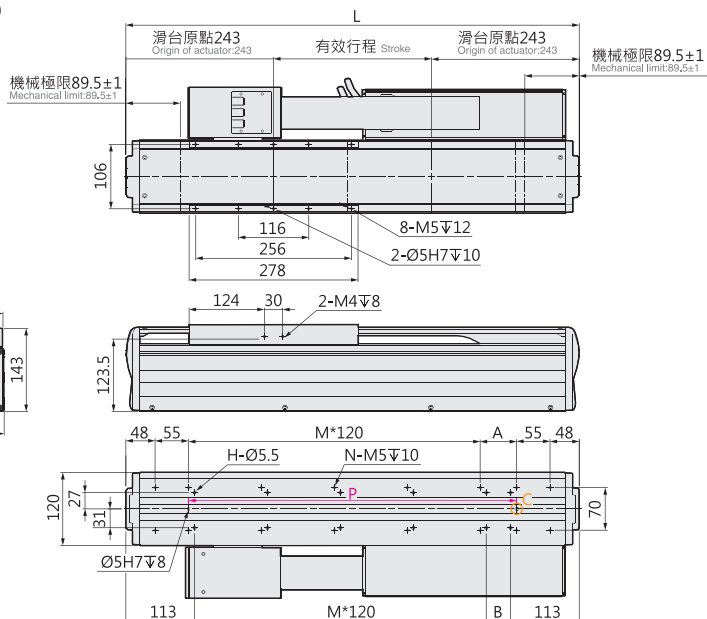
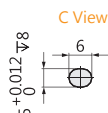
履帶截面圖
Sectional view of connecting track

C View



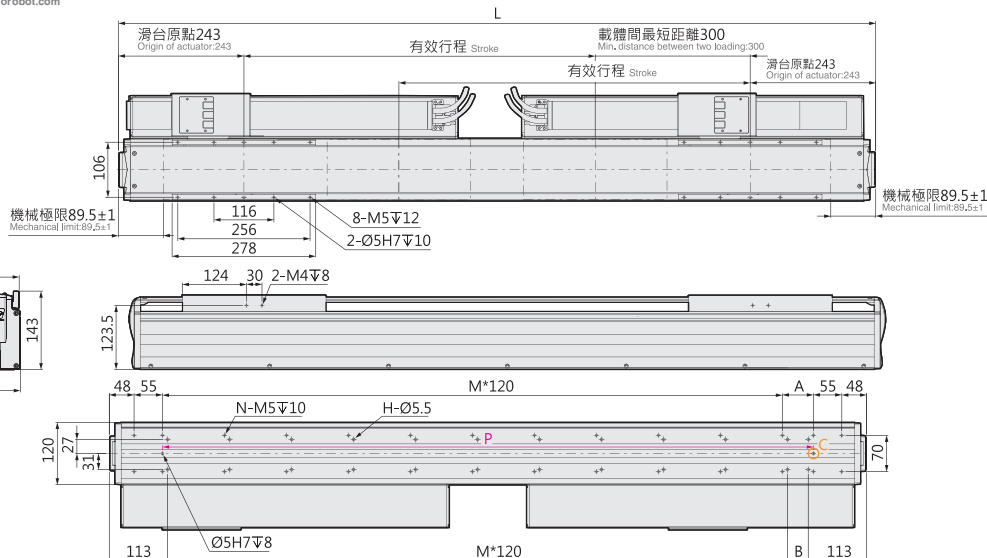
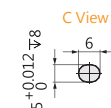
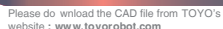
有效行程 stroke	75	135	195	255	315	375	435	495	555	615	675	735	795	855	915	975	1035	1095	1155	1215	1275	1335	1395	1455	1515	1575	1635	1695
L	746	806	866	926	986	1046	1106	1166	1226	1286	1346	1406	1466	1526	1586	1646	1706	1766	1826	1886	1946	2006	2066	2126	2186	2246	2306	2366
A	60	120	60	120	60	120	60	120	60	120	60	120	60	120	60	120	60	120	60	120	60	120	60	120	60	120	60	120
B	40	100	40	100	40	100	40	100	40	100	40	100	40	100	40	100	40	100	40	100	40	100	40	100	40	100	40	100
P	540	600	660	720	780	840	900	960	1020	1080	1140	1200	1260	1320	1380	1440	1500	1560	1620	1680	1740	1800	1860	1920	1980	2040	2100	2160
M	4	4	5	5	6	6	7	7	8	8	9	9	10	10	11	11	12	12	13	13	14	14	15	15	16	16	17	17
N	16	16	18	18	20	20	22	22	24	24	26	26	28	28	30	30	32	32	34	34	36	36	38	38	40	40	42	42
H	12	12	14	14	16	16	18	18	20	20	22	22	24	24	26	26	28	28	30	30	32	32	34	34	36	36	38	38
KG	24.4	25.5	26.6	27.8	28.9	30.1	31.2	32.3	33.5	34.6	35.8	36.9	38	39.2	40.3	41.5	42.6	43.7	44.9	46	47.2	48.3	49.4	50.6	51.7	52.9	54	55.1

單位 Unit : mm



有效行程 stroke	140	200	260	320	380	440	500	560	620	680	740	800	860	920	980	1040	1100	1160	1220	1280	1340	1400	1460	1520	1580	1640	1700	1760	1820	1880
L	626	686	746	806	866	926	986	1046	1106	1166	1226	1286	1346	1406	1466	1526	1586	1646	1706	1766	1826	1886	1946	2006	2066	2126	2186	2246	2306	2366
A	60	120	60	120	60	120	60	120	60	120	60	120	60	120	60	120	60	120	60	120	60	120	60	120	60	120	60	120	60	120
B	40	100	40	100	40	100	40	100	40	100	40	100	40	100	40	100	40	100	40	100	40	100	40	100	40	100	40	100	40	100
P	420	480	540	600	660	720	780	840	900	960	1020	1080	1140	1200	1260	1320	1380	1440	1500	1560	1620	1680	1740	1800	1860	1920	1980	2040	2100	2160
M	3	3	4	4	5	5	6	6	7	7	8	8	9	9	10	10	11	11	12	12	13	13	14	14	15	15	16	16	17	17
N	14	14	16	16	18	18	20	20	22	22	24	24	26	26	28	28	30	30	32	32	34	34	36	36	38	38	40	40	42	42
H	10	10	12	12	14	14	16	16	18	18	20	20	22	22	24	24	26	26	28	28	30	30	32	32	34	34	36	36	38	38
KG	17.3	18.5	19.7	20.9	22.2	23.4	24.6	25.9	27.1	28.3	29.6	30.8	32	33.2	34.5	35.7	36.9	38.2	39.4	40.6	41.9	43.1	44.3	45.5	46.8	48	49.2	50.5	51.7	52

單位 Unit : mm

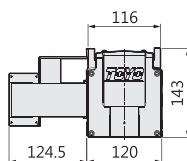
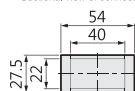


有效行程 stroke	80	140	200	260	320	380	440	500	560	620	680	740	800	860	920	980	1040	1100	1160	1220	1280	1340	1400	1460	1520	1580
L	866	926	986	1046	1106	1166	1226	1286	1346	1406	1466	1526	1586	1646	1706	1766	1826	1886	1946	2006	2066	2126	2186	2246	2306	2366
A	60	120	60	120	60	120	60	120	60	120	60	120	60	120	60	120	60	120	60	120	60	120	60	120	60	120
B	40	100	40	100	40	100	40	100	40	100	40	100	40	100	40	100	40	100	40	100	40	100	40	100	40	100
P	660	720	780	840	900	960	1020	1080	1140	1200	1260	1320	1380	1440	1500	1560	1620	1680	1740	1800	1860	1920	1980	2040	2100	2160
M	5	5	6	6	7	7	8	8	9	9	10	11	11	12	12	13	13	14	14	15	15	16	16	17	17	17
N	18	18	20	20	22	22	24	24	26	26	28	28	30	30	32	32	34	34	36	36	38	38	40	40	42	42
H	14	14	16	16	18	18	20	20	22	22	24	24	26	26	28	28	30	30	32	32	34	34	36	36	38	38
KG	28.9	30.1	31.3	32.6	33.8	35	36.3	37.5	38.7	40	41.7	43.4	44.9	46.1	47.3	48.6	49.8	51	52.7	53.5	54.7	55.9	57.2	58.4	59.6	60.8

免費服務專線：大陸
Toll-free Number: China

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履帶截面圖
Sectional view of connecting track

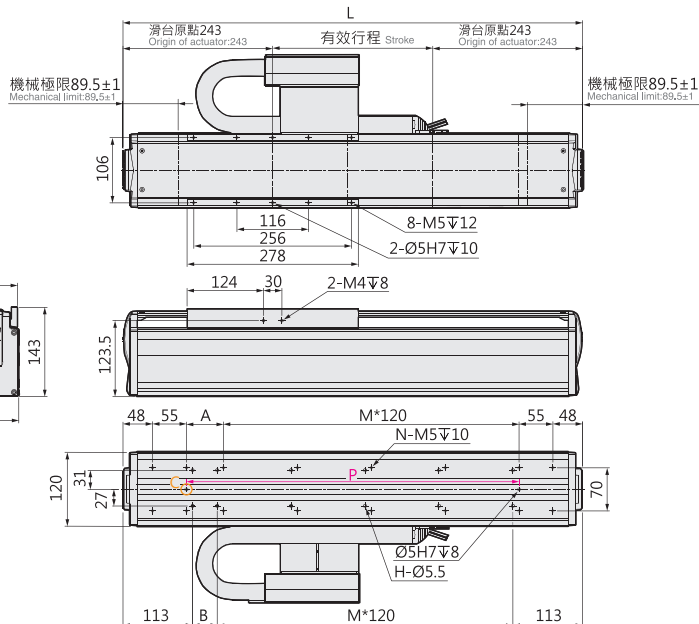


C View



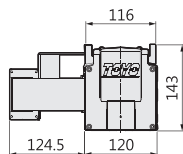
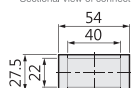
6

$\begin{matrix} +0.012 \\ 0 \end{matrix}$ $\nabla 8$

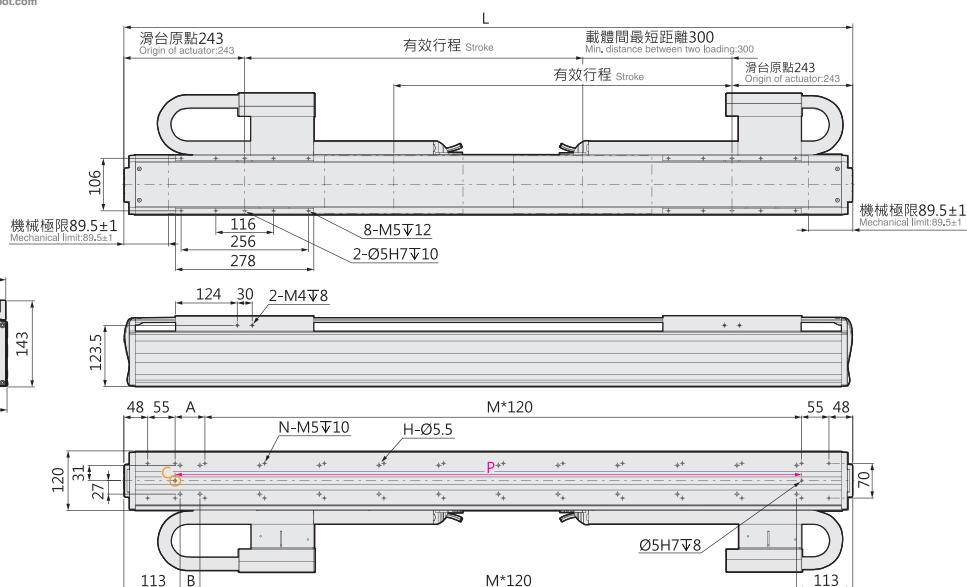


有效行程 stroke	140	200	260	320	380	440	500	560	620	680	740	800	860	920	980	1040	1100	1160	1220	1280	1340	1400	1460	1520	1580	1640	1700	1760	1820	1880
L	626	686	746	806	866	926	986	1046	1106	1166	1226	1286	1346	1406	1466	1526	1586	1646	1706	1766	1826	1886	1946	2006	2066	2126	2186	2246	2306	2366
A	60	120	60	120	60	120	60	120	60	120	60	120	60	120	60	120	60	120	60	120	60	120	60	120	60	120	60	120	60	120
B	40	100	40	100	40	100	40	100	40	100	40	100	40	100	40	100	40	100	40	100	40	100	40	100	40	100	40	100	40	100
P	420	480	540	600	660	720	780	840	900	960	1020	1080	1140	1200	1260	1320	1380	1440	1500	1560	1620	1680	1740	1800	1860	1920	1980	2040	2100	2160
M	3	3	4	4	5	5	6	6	7	7	8	8	9	9	10	11	11	12	12	13	13	14	14	15	15	16	16	17	17	
N	14	14	16	16	18	18	20	20	22	22	24	24	26	26	28	28	30	32	32	34	34	36	36	38	38	40	40	42	42	
H	10	10	12	12	14	14	16	16	18	18	20	20	22	22	24	24	26	26	28	28	30	32	32	34	34	36	36	38	38	
KG	17.4	18.6	19.7	20.9	22	23.2	24.3	25.5	26.6	27.8	28.9	30	31.2	32.4	33.5	34.7	35.8	37	38.1	39.3	40.4	41.6	42.7	43.9	45	46.2	47.3	48.5	49.6	50

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履帶截面圖
Sectional view of connecting track

C View



有效行程 stroke	80	140	200	260	320	380	440	500	560	620	680	740	800	860	920	980	1040	1100	1160	1220	1280	1340	1400	1460	1520	1580
L	866	926	986	1046	1106	1166	1226	1286	1346	1406	1466	1526	1586	1646	1706	1766	1826	1886	1946	2006	2066	2126	2186	2246	2306	2366
A	60	120	60	120	60	120	60	120	60	120	60	120	60	120	60	120	60	120	60	120	60	120	60	120	60	120
B	40	100	40	100	40	100	40	100	40	100	40	100	40	100	40	100	40	100	40	100	40	100	40	100	40	100
P	660	720	780	840	900	960	1020	1080	1140	1200	1260	1320	1380	1440	1500	1560	1620	1680	1740	1800	1860	1920	1980	2040	2100	2160
M	5	5	6	6	7	7	8	8	9	9	10	11	11	12	12	13	13	14	14	15	15	16	16	17	17	17
N	18	18	20	20	22	22	24	24	26	26	28	28	30	30	32	32	34	34	36	36	38	38	40	40	42	42
H	14	14	16	16	18	18	20	20	22	22	24	24	26	26	28	28	30	30	32	32	34	34	36	36	38	38
KG	28.6	29.8	30.9	32.1	33.2	34.3	35.5	36.6	37.8	38.9	40.1	41.2	42.3	43.5	44.6	45.7	46.9	48	49.2	50.3	51.4	52.6	53.7	54.9	56	57