

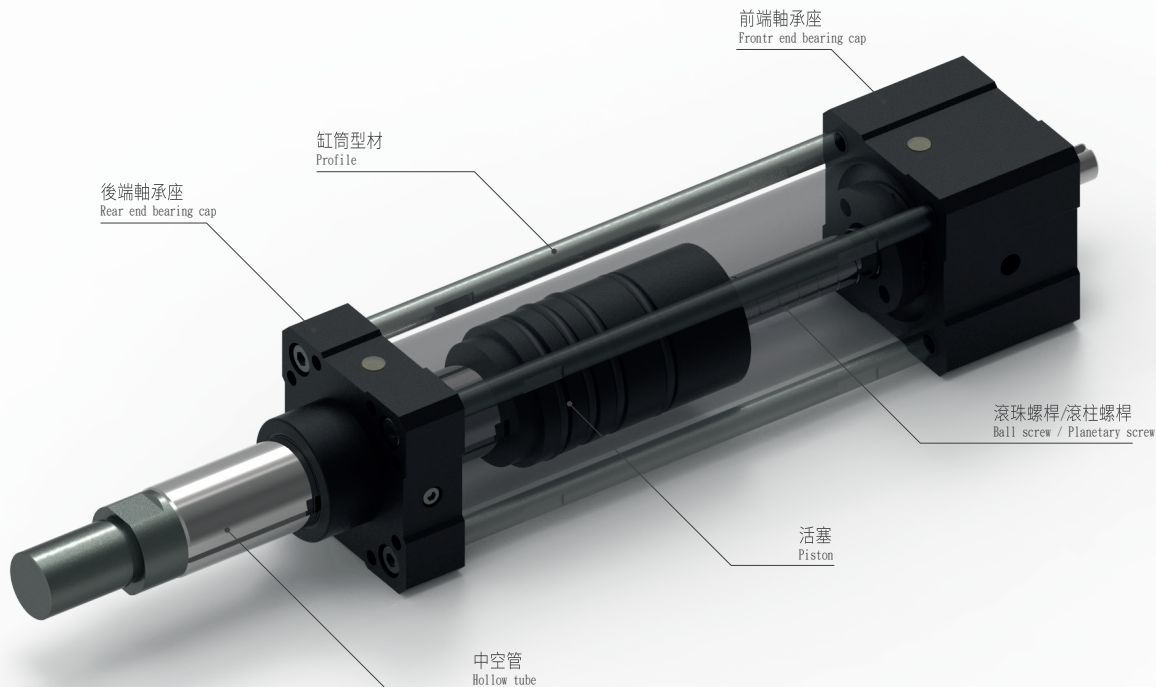


大推力電動缸

HEAVY DUTY
CYLINDER ACTUATOR

產品結構分析

PRODUCT STRUCTURE

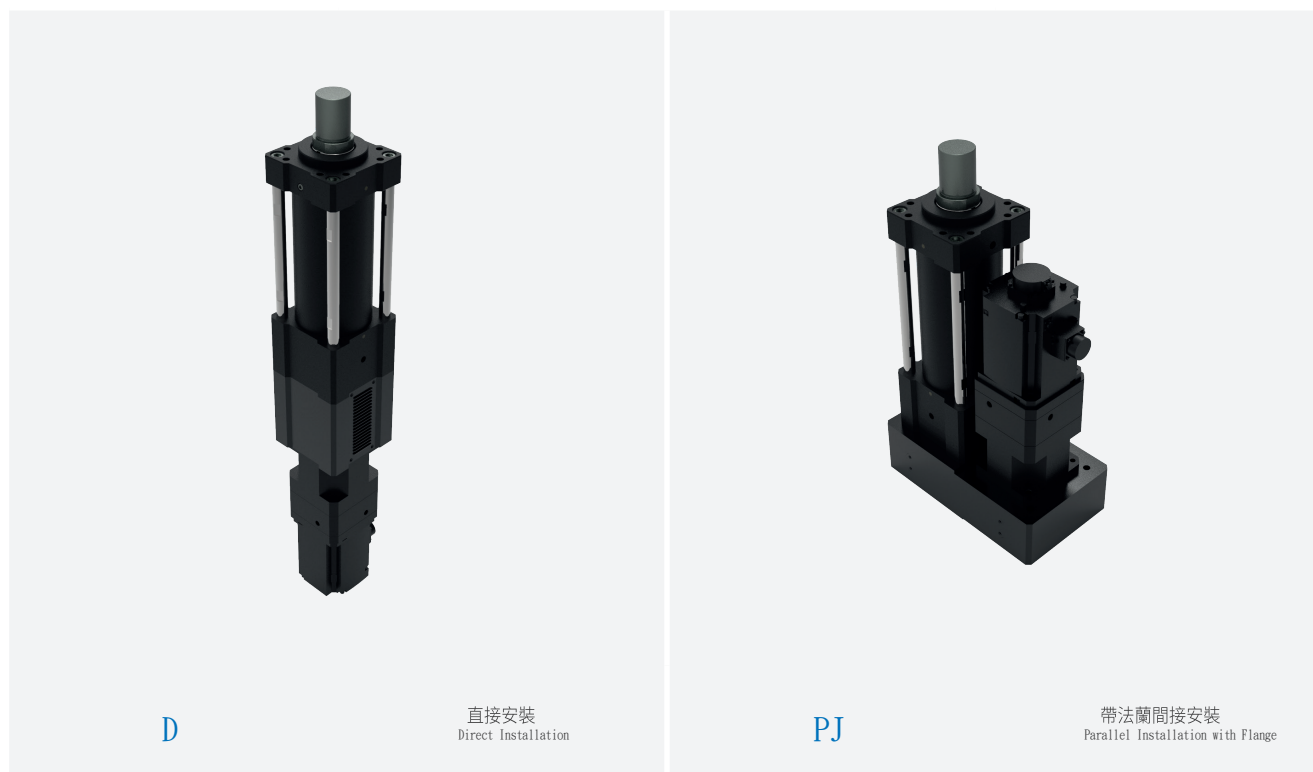


經濟型螺桿滑台
Economy linear actuator
半密螺桿滑台
RP linear actuator
歐規螺桿滑台
EU linear actuator
超長形皮帶滑台
Super length linear actuator
小型/標準型電動缸
Cylinder actuator
大推力電動缸
Heavy duty cylinder actuator
旋轉平台
Rotary stage
精密對位平台
Precision alignment stage
減速機
Gear reducer
電動夾爪
Electric gripper
升降旋轉模組
Lifting & rotating module
十字轉向器
Bevel gearbox

滾珠式
Ball screw drive
行星滾柱式
Planetary screw drive

馬達安裝示意圖

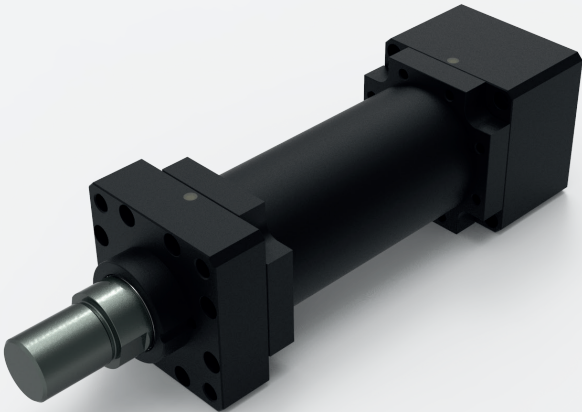
Motor Installation Diagram



本圖面僅供參考用途, 實際尺寸皆以實際提供之2D/3D圖紙為準 This drawing is for reference only. The actual dimensions are based on the actual 2D / 3D drawings provided.

滾珠型大推力缸

HEA VY DUTY CYLINDER ACTUATOR BALL SCREW DRIVE



AIM FS		-	100	-	100	-	4010	-	D	-	G3	-	M 3000	-	A	-	S3																																			
滾柱型大推力缸 Heavy Duty Cylinder Actuator Ball Screw Drive		缸徑 Size (mm)		行程 Stroke (mm)		螺桿規格 Ball Screw Spec.(mm)		馬達安裝位置 Motor Position		減速比配置 Reducer Ratio Config.		馬達功率 Motor Power (W)		牙型 Tooth Shape		開關數 Number of Sensors																																				
		50...1200				<table><tr><td>直徑 Φ</td><td>導程 Pitch</td></tr><tr><td>40</td><td>10</td></tr></table>		直徑 Φ	導程 Pitch	40	10	<table><tr><td>D</td><td>直接安裝 Direct Installation</td></tr><tr><td>PJ</td><td>加強底座 Reinforcement Base</td></tr></table>		D	直接安裝 Direct Installation	PJ	加強底座 Reinforcement Base	<table><tr><td>無 None</td></tr><tr><td>4M</td><td>轉向器 Bevel Gearbox 1:2</td></tr><tr><td>G</td><td>減速機 Gear Reducer 1:3</td></tr></table>		無 None	4M	轉向器 Bevel Gearbox 1:2	G	減速機 Gear Reducer 1:3	<table><tr><td>M</td><td>三菱 Mitsubishi</td><td>T</td><td>台達 Delta</td></tr><tr><td>P</td><td>松下 Panasonic</td><td>O</td><td>其他 Others</td></tr><tr><td>Y</td><td>安川 Yaskawa</td><td></td><td></td></tr><tr><td colspan="4">2000 / 3000</td></tr></table>		M	三菱 Mitsubishi	T	台達 Delta	P	松下 Panasonic	O	其他 Others	Y	安川 Yaskawa			2000 / 3000				<table><tr><td>A</td><td>M12 x1.25</td></tr></table>		A	M12 x1.25	<table><tr><td>S3</td><td>3 個開關 3x Sensors</td></tr><tr><td>Sn</td><td>n 個開關 nx Sensors</td></tr></table>		S3	3 個開關 3x Sensors	Sn	n 個開關 nx Sensors
直徑 Φ	導程 Pitch																																																			
40	10																																																			
D	直接安裝 Direct Installation																																																			
PJ	加強底座 Reinforcement Base																																																			
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2000 / 3000																																																				
A	M12 x1.25																																																			
S3	3 個開關 3x Sensors																																																			
Sn	n 個開關 nx Sensors																																																			

● 有選項 Optional ● 無選項 No options

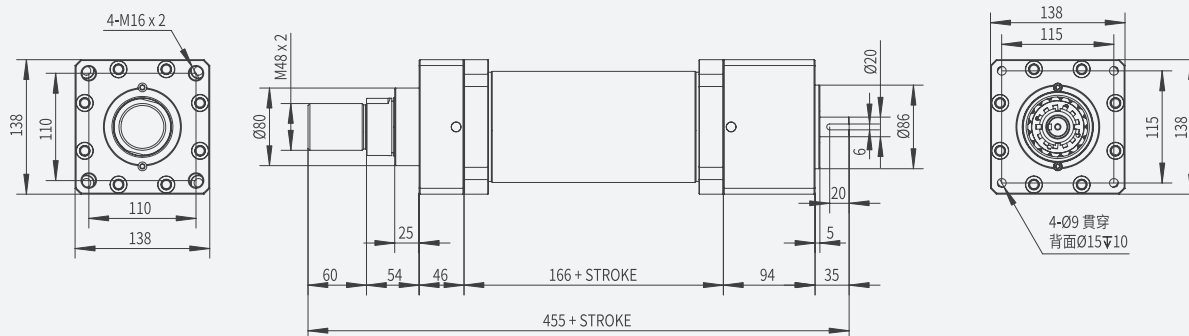
馬達輸出 Motor Power (W)		2000 /3000		最大驅動扭矩 Max. Driving Torque (Nm)		50	
額定扭矩 Torque (Nm)		9.55 /14.3		行程範圍 Stroke Range (mm)		50...1200	
螺桿等級 Ball Screw Level		C7 轉造 Rolled Ball Screw		最大軸向負載 Max. Axial Load (kg)		3000	
重複定位精度 Rep. Accuracy (mm)		±0.02		面積二次矩 2nd moment of area	L _{xx} (cm ⁴)	338	
軸棒旋轉角度 Max. Piston Rod Rotate Angle		±0.3°			L _{yy} (cm ⁴)	338	
減速比 Reducer Ratio		1:5		0mm 行程基本重量 Basic Weight for 0mm Stroke (kg)		26	
螺桿規格 Ball Screw Spec.		Ø 40	10	每100 mm 行程增加重量 Additional Weight per 100mm Stroke (kg)		5.5	
額定推力* Nominal Thrust (N)	2000 (W)	25500		光電開關 Optical Proximity Sensor	SUX-PM-L45**		
	3000 (W)	38190					
最高速度 Max. Speed (mm/s)		60	100				

* 需搭配減速機使用 Must cooperate with reducer **選配配件 Optional accessories

FS
100
FP
63
80
100
125
160
200
250
320

AIMFS-100 基本型 standard

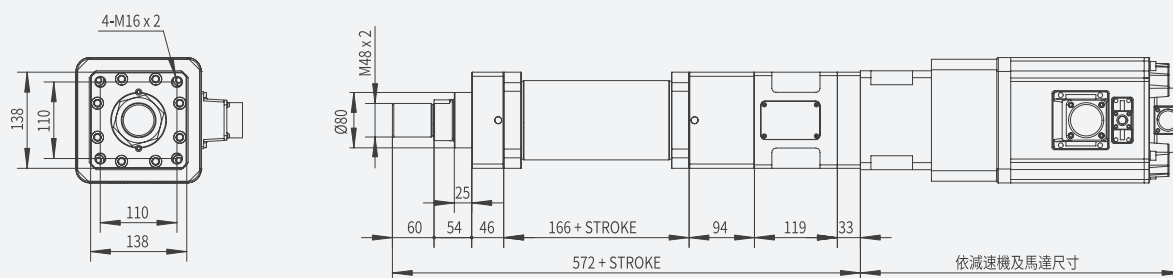
單位 Unit:mm



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AIMFS-100-D 馬達直接安裝 motor direct installation

單位 Unit:mm



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經濟型螺桿滑台
Economy linear actuator
半密螺桿滑台
RP linear actuator
歐規螺桿滑台
EE linear actuator
超長形皮帶滑台
Super length linear actuator
小型/標準型 電動缸
Cylinder actuator
大推力電動缸
Heavy duty cylinder actuator
旋轉平台
Rotary stage
精密對位平台
Precision alignment stage
減速機
Gear reducer
電動夾爪
Electric gripper
升降旋轉模組
Lifting & rotating module
十字轉向器
Bevel gearbox

滾珠式
Ball screw drive
行星滾柱式
Planetary screw drive

FS

100

FP

63

80

100

125

160

200

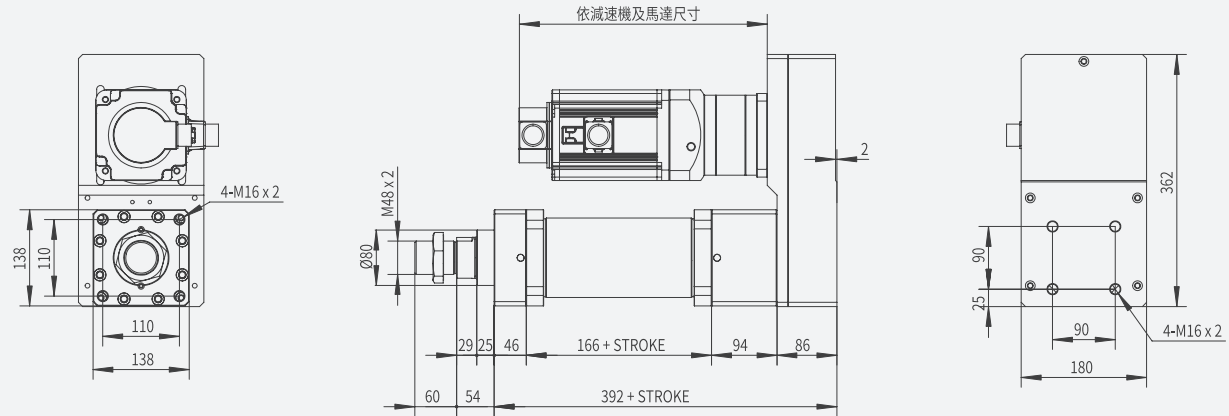
250

320

經濟型螺桿滑台
Economy linear actuator
半密螺桿滑台
JE linear actuator
歐規螺桿滑台
EU linear actuator
超長形皮帶滑台
Super length linear actuator
小型/標準型 電動缸
Cylinder actuator
大推力電動缸
Heavy duty cylinder actuator
旋轉平台
Rotary stage
精密對位平台
Precision alignment stage
減速機
Gear reducer
電動夾爪
Electric gripper
升降旋轉模組
Lifting & rotating module
十字轉向器
Bevel gearbox
滾珠式
Ball screw drive
行星滾柱式
Planetary screw drive

AIMFS-100-PJ 加強底座 reinforcement base

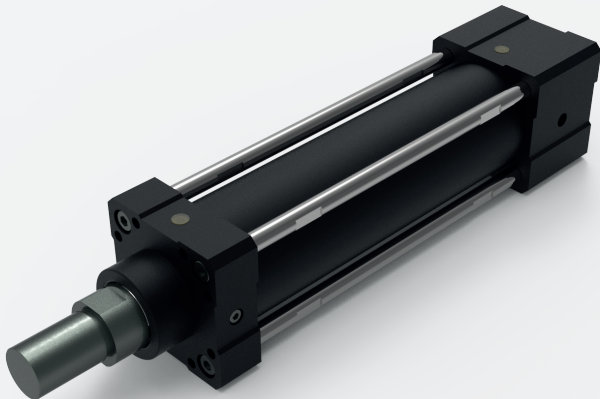
單位 Unit:mm



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FS
100
FP
63
80
100
125
160
200
250
320

行星滾柱式大推力電動缸
HEAVY DUTY CYLINDER ACTUATOR PLANETARY SCREW DRIVE



- 經濟型螺桿滑台
Economy linear actuator
- 半密螺桿滑台
R linear actuator
- 歐規螺桿滑台
EU linear actuator
- 超長形皮帶滑台
Super length linear actuator
- 小型/標準型 電動缸
Cylinder actuator
- 大推力電動缸
Heavy duty cylinder actuator
- 旋轉平台
Rotary stage
- 精密對位平台
Precision alignment stage
- 減速機
Gear reducer
- 電動夾爪
Electric gripper
- 升降旋轉模組
Lifting & rotating module
- 十字轉向器
Bevel gearbox

- 滾珠式
Ball screw drive
- 行星滾柱式
Planetary screw drive

AIMFP - 63 - 200 - 2110 - D - G5 - M 1500 - A - S3

行星滾柱式大推力缸
Heavy Duty Cylinder Actuator
Planetary Screw Drive

缸徑
Size (mm)

行程
Stroke (mm)

螺桿規格
Ball Screw Spec.(mm)

馬達安裝位置
Motor Position

減速比配置
Reducer Ratio Config.

馬達功率
Motor Power (W)

牙型
Tooth Shape

開關數
Number of Sensors

100...600

直徑
Φ

導程
Pitch

D 直接安裝
Direct Installation

PJ 加強底座
Reinforcement Base

無
None

G 減速機 1:5
Gear Reducer 1:10

M 三菱
Mitsubishi

T 台達
Delta

P 松下
Panasonic

Y 安川
Yaskawa

1500

A M30 x 1.5

S3 3 個開關
3x Sensors

Sn n 個開關
nx Sensors

● 有選項 Optional ● 無選項 No options

馬達輸出 Motor Power (W)		1500		最大驅動扭矩 Max. Driving Torque (Nm)		56	
額定扭矩 Torque (Nm)		4.8		最大軸向負載 Max. Axial Load (Kg)		3000	
馬達額定轉速 Motor Rated Speed (rpm)		3000		行程範圍 Stroke Range (mm)		100...600	
重複定位精度 Rep. Accuracy (mm)		±0.02		基本額定動載荷* Basic Dynamic Load Rating(kN)		59.2	
軸棒旋轉角度 Max. Piston Rod Rotate Angle		±0.3°		基本額定靜載荷 Basic Static Load Rating(kg)		83	
搭配減速比 Reducer Ratio		1:5	1:10	0mm 行程基本重量 Basic Weight for 0mm Stroke (kg)		15.78	
行星螺桿規格 Planetary Screw Spec.	ø21	10		每100mm 行程增加重量 Additional Weight per 100mm Stroke (kg)		2.35	
最大推力* Max Thrust (N)		12810	25622	光電開關 Optical Proximity Sensor		SUX-PM-L45**	
最高速度 Max. Speed (mm/s)		100	50				

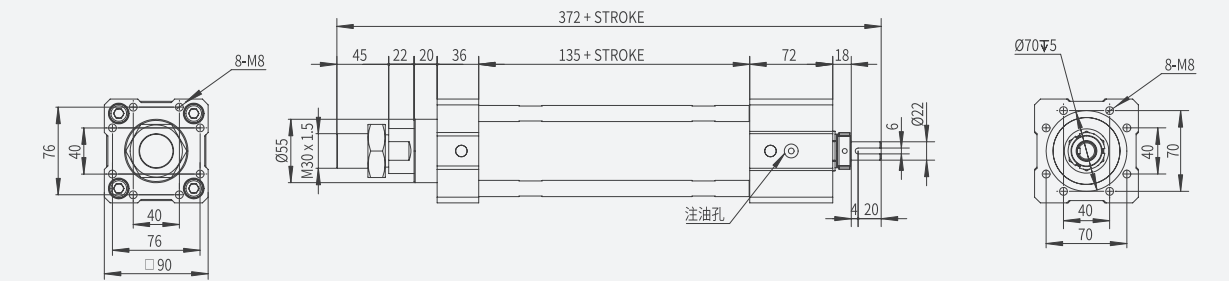
* 需搭配減速機使用 Must cooperate with reducer* 選配配件 Optional accessories

- FS
- 100
- FP
- 63
- 80
- 100
- 125
- 160
- 200
- 250
- 320

經濟型螺桿滑台
Economy linear actuator
半密螺桿滑台
JE linear actuator
歐規螺桿滑台
EU linear actuator
超長形皮帶滑台
Super length linear actuator
小型/標準型 電動缸
Cylinder actuator
大推力電動缸
Heavy duty cylinder actuator
旋轉平台
Rotary stage
精密對位平台
Precision alignment stage
減速機
Gear reducer
電動夾爪
Electric gripper
升降旋轉模組
Lifting & rotating module
十字轉向器
Bevel gearbox
滾珠式
Ball screw drive
行星滾柱式
Planetary screw drive

AIMFP-63 基本型 standard

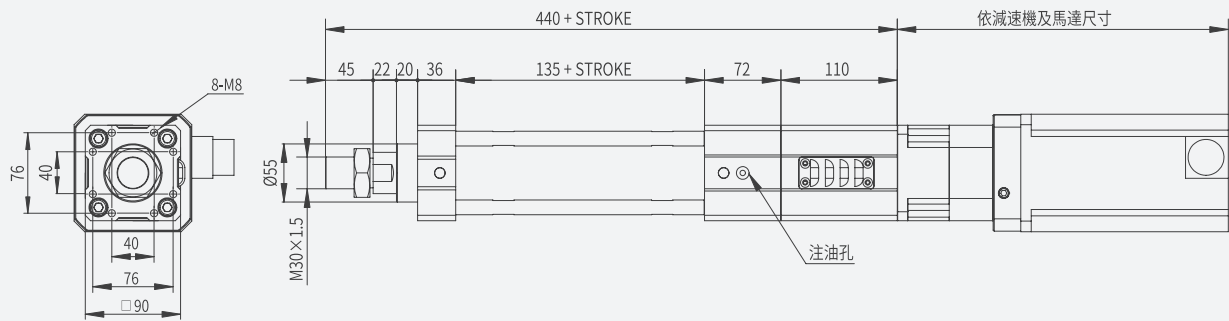
單位 Unitmm



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AIMFP-63-D 馬達直接安裝 motor direct installation

單位 Unitmm

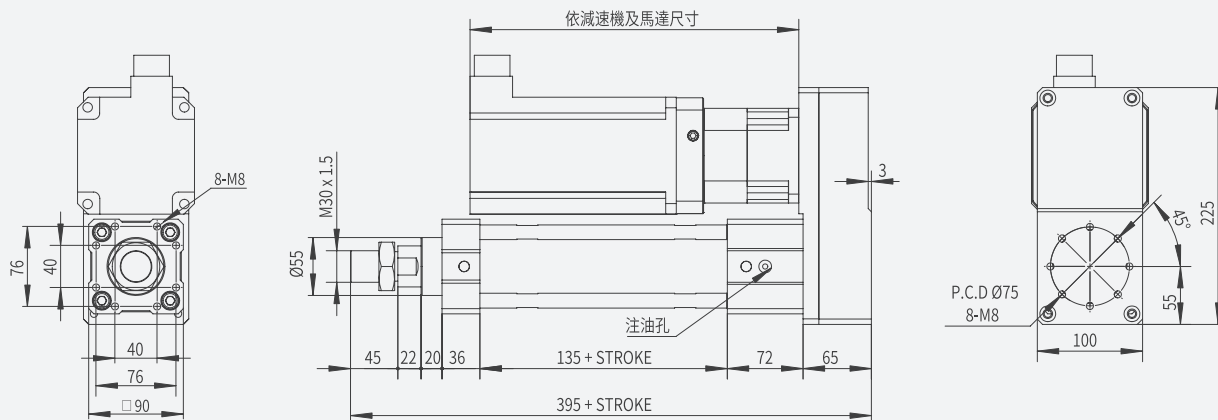


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FS
100
FP
63
80
100
125
160
200
250
320

AIMFP-63-PJ 加強底座 reinforcement base

單位 Unit:mm



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經濟型螺桿滑台
Economy linear actuator半密螺桿滑台
RP linear actuator歐規螺桿滑台
EU linear actuator超長形皮帶滑台
Super length linear actuator小型/標準型 電動缸
Cylinder actuator大推力電動缸
Heavy duty cylinder actuator旋轉平台
Rotary stage精密對位平台
Precision alignment stage減速機
Gear reducer電動夾爪
Electric gripper升降旋轉模組
Lifting & rotating module十字轉向器
Bevel gearbox滾珠式
Ball screw drive行星滾柱式
Planetary screw drive

FS

100

FP

63

80

100

125

160

200

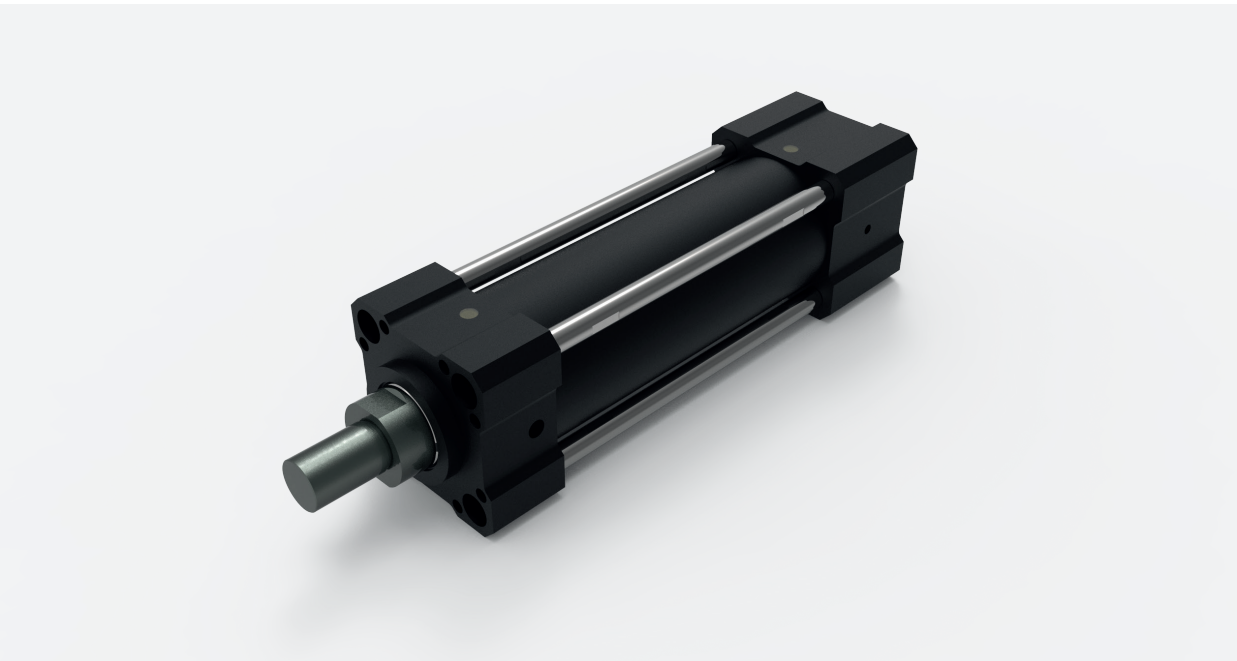
250

320

行星滾柱式大推力電動缸

HEAVY DUTY CYLINDER ACTUATOR PLANETARY SCREW DRIVE

- 經濟型螺桿滑台
Economy linear actuator
- 半密螺桿滑台
JE linear actuator
- 歐規螺桿滑台
EU linear actuator
- 超長形皮帶滑台
Super length linear actuator
- 小型/標準型 電動缸
Cylinder actuator
- 大推力電動缸
Heavy duty cylinder actuator
- 旋轉平台
Rotary stage
- 精密對位平台
Precision alignment stage
- 減速機
Gear reducer
- 電動夾爪
Electric gripper
- 升降旋轉模組
Lifting & rotating module
- 十字轉向器
Bevel gearbox
- 滾珠式
Ball screw drive
- 行星滾柱式
Planetary screw drive



AIM FP - 80 - 200 - 2110 - D - G5 - M 2000 - A - S3

行星滾柱式大推力缸
Heavy Duty Cylinder Actuator
Planetary Screw Drive

缸徑
Size (mm)

行程
Stroke (mm)

螺桿規格
Ball Screw Spec.(mm)

馬達安裝位置
Motor Position

減速比配置
Reducer Ratio Config.

馬達功率
Motor Power (W)

牙型
Tooth Shape

開關數
Number of Sensors

100...600

直徑
Φ

導程
Pitch

D 直接安裝
Direct Installation

PJ 加強底座
Reinforcement Base

無
None

G 減速機 1:5
Gear Reducer 1:10

M 三菱
Mitsubishi

T 台達
Delta

P 松下
Panasonic

Y 安川
Yaskawa

2000

A M36 x 1.5

S3 3 個開關
3x Sensors

Sn n 個開關
nx Sensors

● 有選項 Optional ● 無選項 No options

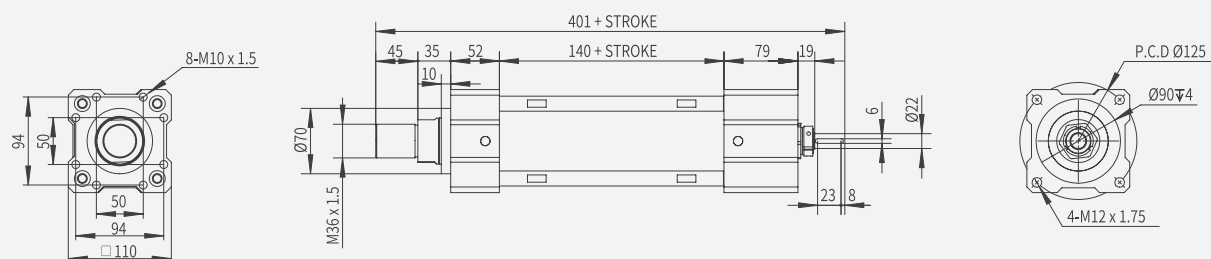
FS
100
FP
63
80
100
125
160
200
250
320

馬達輸出 Motor Power (W)		2000		最大驅動扭矩 Max. Driving Torque (Nm)		90			
額定扭矩 Torque (Nm)		6.4		最大軸向負載 Max. Axial Load (Kg)		5000			
馬達額定轉速 Motor Rated Speed (rpm)		3000		行程範圍 Stroke Range (mm)		100...600			
重複定位精度 Rep. Accuracy (mm)		±0.02		基本額定動載荷* Basic Dynamic Load Rating(N)		59.2			
軸棒旋轉角度 Max. Piston Rod Rotate Angle		±0.3°		基本額定靜載荷 Basic Static Load Rating(N)		83			
搭配減速比 Reducer Ratio		1:5		1:10		0mm 行程基本重量 Basic Weight for 0mm Stroke (kg)		24.98	
行星螺桿規格 Planetary Screw Spec.		ø21		10		每100mm 行程增加重量 Additional Weight per 100mm Stroke (kg)		3.28	
最大推力* Max Thrust (N)		17080		34163		光電開關 Optical Proximity Sensor		SUX-PM-L45**	
最高速度 Max. Speed (mm/s)		100		50					

* 需搭配減速機使用 Must cooperate with reducer*選配件 Optional accessories:

AIMFP-80 基本型 standard

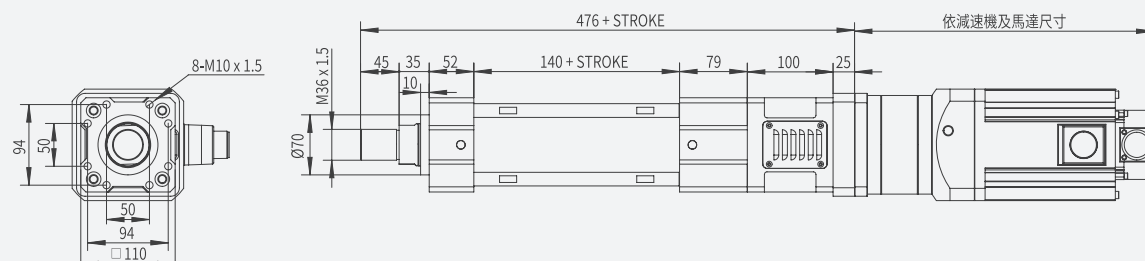
單位 Unit:mm



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AIMFP-80-D 馬達直接安裝 motor direct installation

單位 Unit:mm



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經濟型螺桿滑台
Economy linear actuator
半密螺桿滑台
RP linear actuator
歐規螺桿滑台
EU linear actuator
超長形皮帶滑台
Super length linear actuator
小型/標準型 電動缸
Cylinder actuator
大推力電動缸
Heavy duty cylinder actuator
旋轉平台
Rotary stage
精密對位平台
Precision alignment stage
減速機
Gear reducer
電動夾爪
Electric gripper
升降旋轉模組
Lifting & rotating module
十字轉向器
Bevel gearbox

滾珠式
Ball screw drive
行星滾柱式
Planetary screw drive

FS

100

FP

63

80

100

125

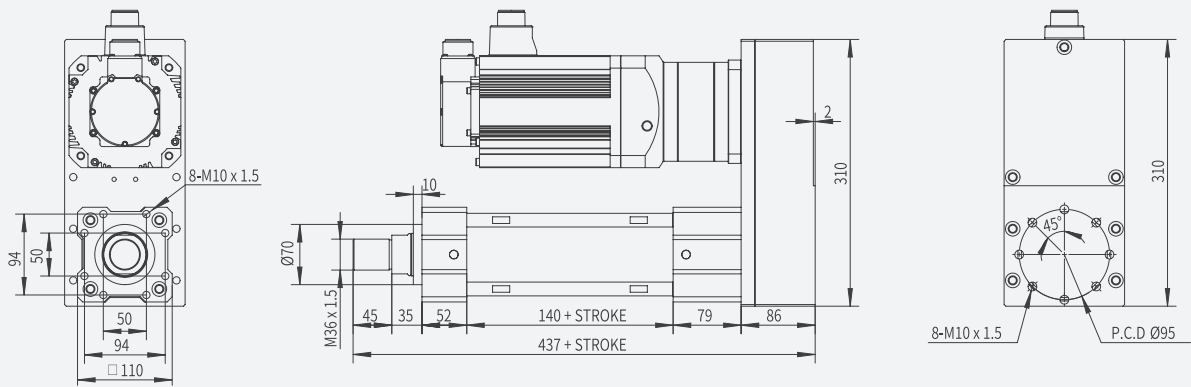
160

200

250

320

單位 Unit:mm



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FS

100

FP

63

80

100

125

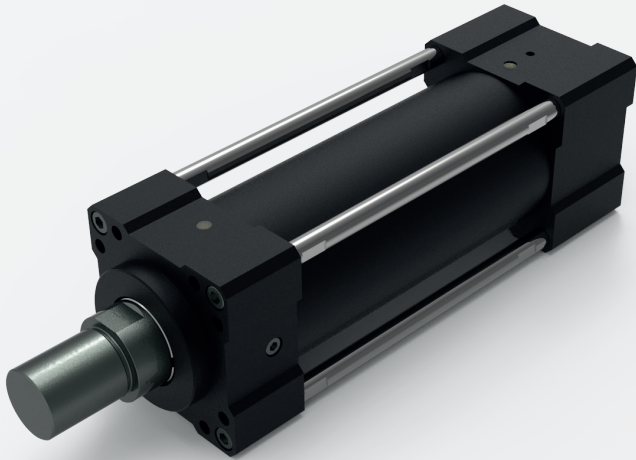
160

200

250

320

行星滾柱式大推力電動缸
HEAVY DUTY CYLINDER ACTUATOR PLANETARY SCREW DRIVE



AIMFP - 100 - 200 - 3010 - D - G5 - M 5000 - A - S3

行星滾柱式大推力缸
Heavy Duty Cylinder Actuator
Planetary Screw Drive

缸徑
Size (mm)

行程
Stroke (mm)

螺桿規格
Ball Screw Spec.(mm)

馬達安裝位置
Motor Position

減速比配置
Reducer Ratio Config.

馬達功率
Motor Power (W)

牙型
Tooth Shape

開關數
Number of Sensors

100...600

直徑
Φ

導程
Pitch

30

10

D 直接安裝
Direct Installation

PJ 加強底座
Reinforcement Base

無
None

G 減速機 1:5
Gear Reducer 1:10

M 三菱
Mitsubishi

P 松下
Panasonic

Y 安川
Yaskawa

T 台達
Delta

O 其他
Others

5000

A M48 x 2

S3 3 個開關
3x Sensors

Sn n 個開關
nx Sensors

● 有選項 Optional ● 無選項 No options

馬達輸出 Motor Power (W)		5000		最大驅動扭矩 Max. Driving Torque (Nm)		190	
額定扭矩 Torque (Nm)		15.9		最大軸向負載 Max. Axial Load (kg)		10000	
馬達額定轉速 Motor Rated Speed (rpm)		3000		行程範圍 Stroke Range (mm)		100...600	
重複定位精度 Rep. Accuracy (mm)		±0.02		基本額定動載荷* Basic Dynamic Load Rating(N)		106	
軸棒旋轉角度 Max. Piston Rod Rotate Angle		±0.3°		基本額定靜載荷 Basic Static Load Rating(N)		174	
搭配減速比 Reducer Ratio		1:5	1:10	0mm 行程基本重量 Basic Weight for 0mm Stroke (kg)		50.98	
行星螺桿規格 Planetary Screw Spec.	ø30	10		每100mm 行程增加重量 Additional Weight per 100mm Stroke (kg)		5.13	
最大推力* Max Thrust (N)		42437	84874	光電開關 Optical Proximity Sensor		SUX-PM-L45**	
最高速度 Max. Speed (mm/s)		100	50				

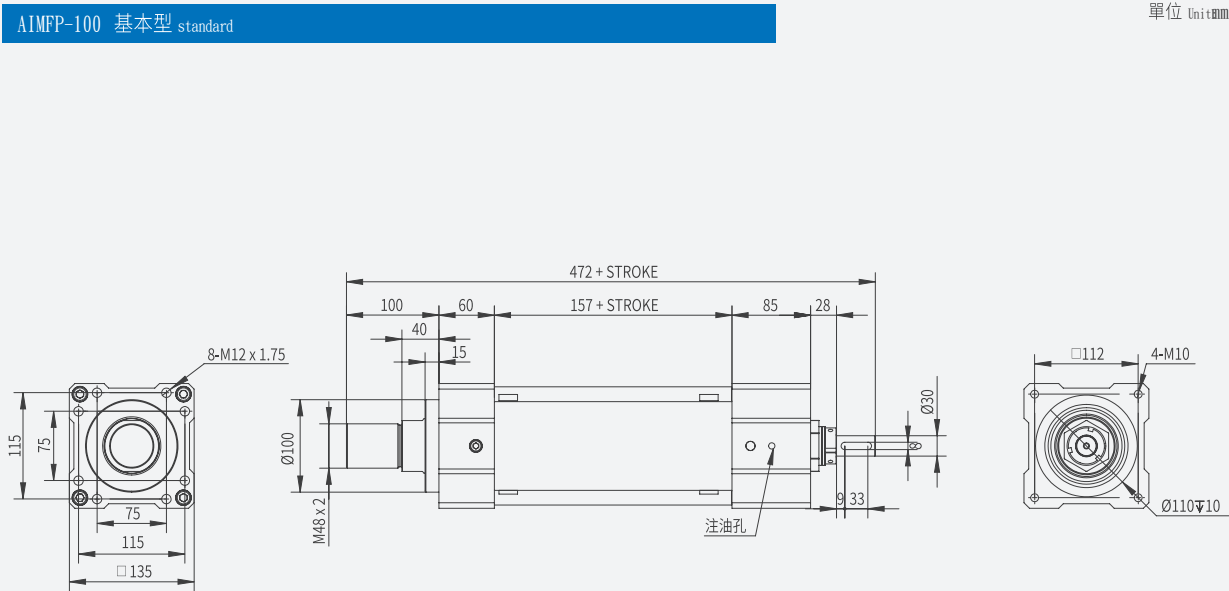
* 需搭配減速機使用 Must cooperate with reducer* 選配配件 Optional accessories

- 經濟型螺桿滑台
Economy linear actuator
- 半密螺桿滑台
R. linear actuator
- 歐規螺桿滑台
EU linear actuator
- 超長形皮帶滑台
Super length linear actuator
- 小型/標準型 電動缸
Cylinder actuator
- 大推力電動缸
Heavy duty cylinder actuator
- 旋轉平台
Rotary stage
- 精密對位平台
Precision alignment stage
- 減速機
Gear reducer
- 電動夾爪
Electric gripper
- 升降旋轉模組
Lifting & rotating module
- 十字轉向器
Bevel gearbox

- 滾珠式
Ball screw drive
- 行星滾柱式
Planetary screw drive

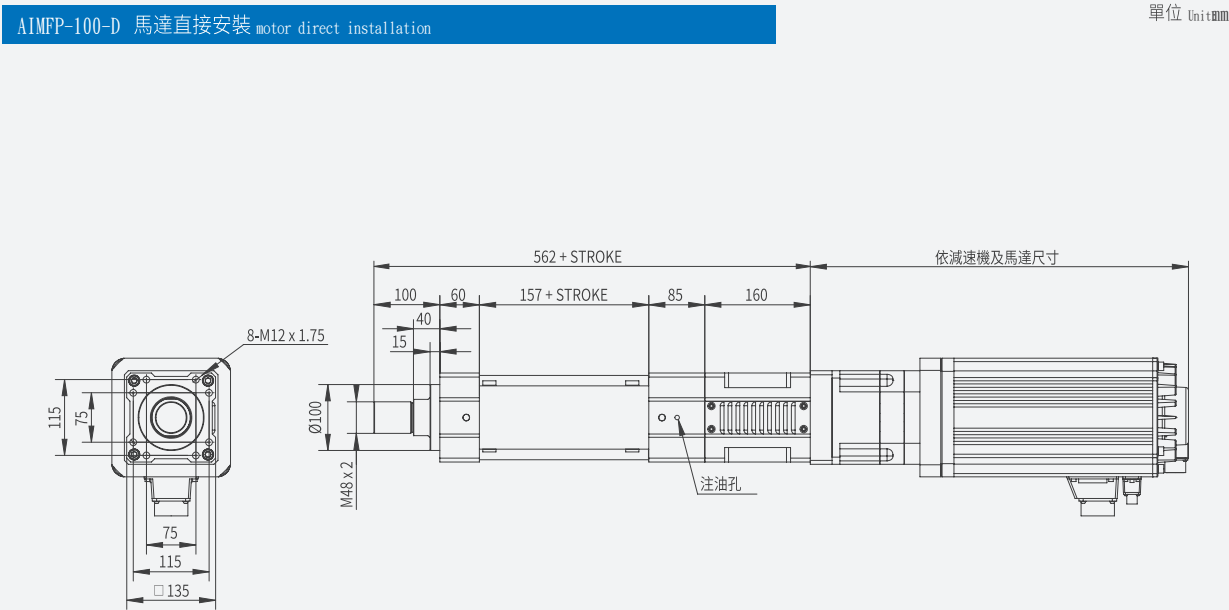
FS
100
FP
63
80
100
125
160
200
250
320

經濟型螺桿滑台
Economy linear actuator
半密螺桿滑台
JP linear actuator
歐規螺桿滑台
EU linear actuator
超長形皮帶滑台
Super length linear actuator
小型/標準型 電動缸
Cylinder actuator
大推力電動缸
Heavy duty cylinder actuator
旋轉平台
Rotary stage
精密對位平台
Precision alignment stage
減速機
Gear reducer
電動夾爪
Electric gripper
升降旋轉模組
Lifting & rotating module
十字轉向器
Bevel gearbox
滾珠式
Ball screw drive
行星滾柱式
Planetary screw drive



本圖面僅供參考用途，實際尺寸皆以實際提供之2D/3D 圖紙為準 This drawing is for reference only. The actual dimensions are based on the actual 2D / 3D drawings provided.

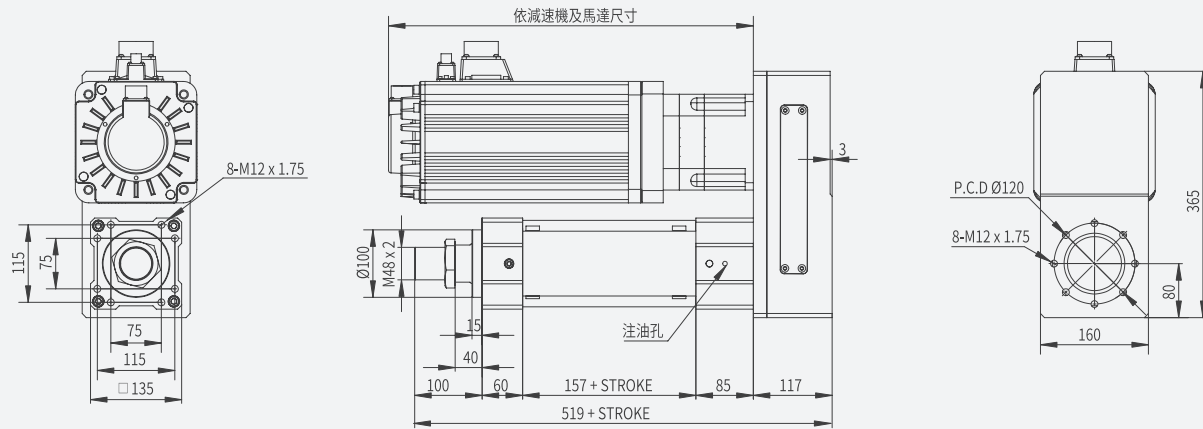
FS
100
FP
63
80
100
125
160
200
250
320



本圖面僅供參考用途，實際尺寸皆以實際提供之2D/3D 圖紙為準 This drawing is for reference only. The actual dimensions are based on the actual 2D / 3D drawings provided.

AIMFP-100-PJ 加強底座 reinforcement base

單位 Unit:mm



本圖面僅供參考用途, 實際尺寸皆以實際提供之2D/3D 圖紙為準 This drawing is for reference only. The actual dimensions are based on the actual 2D / 3D drawings provided.

經濟型螺桿滑台
Economy linear actuator
半密螺桿滑台
RP linear actuator
歐規螺桿滑台
EU linear actuator
超長形皮帶滑台
Super length linear actuator
小型/標準型 電動缸
Cylinder actuator
大推力電動缸
Heavy duty cylinder actuator
旋轉平台
Rotary stage
精密對位平台
Precision alignment stage
減速機
Gear reducer
電動夾爪
Electric gripper
升降旋轉模組
Lifting & rotating module
十字轉向器
Bevel gearbox

滾珠式
Ball screw drive
行星滾柱式
Planetary screw drive

FS

100

FP

63

80

100

125

160

200

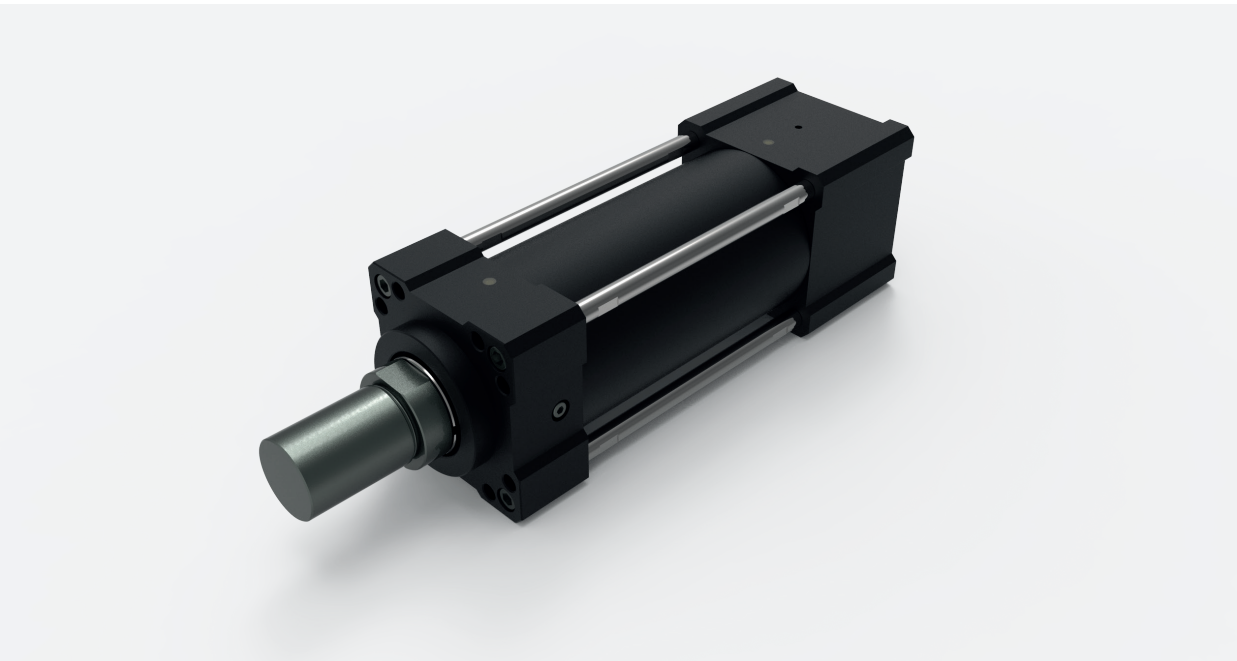
250

320

行星滾柱式大推力電動缸

HEAVY DUTY CYLINDER ACTUATOR PLANETARY SCREW DRIVE

- 經濟型螺桿滑台
Economy linear actuator
- 半密螺桿滑台
JE linear actuator
- 歐規螺桿滑台
EU linear actuator
- 超長形皮帶滑台
Super length linear actuator
- 小型/標準型 電動缸
Cylinder actuator
- 大推力電動缸
Heavy duty cylinder actuator
- 旋轉平台
Rotary stage
- 精密對位平台
Precision alignment stage
- 減速機
Gear reducer
- 電動夾爪
Electric gripper
- 升降旋轉模組
Lifting & rotating module
- 十字轉向器
Bevel gearbox
- 滾珠式
Ball screw drive
- 行星滾柱式
Planetary screw drive



AIM FP - 125 - 200 - 3910 - D - G5 - M 9000 - A - S3

行星滾柱式大推力缸
Heavy Duty Cylinder Actuator
Planetary Screw Drive

缸徑
Size (mm)

行程
Stroke (mm)

螺桿規格
Ball Screw Spec.(mm)

馬達安裝位置
Motor Position

減速比配置
Reducer Ratio Config.

馬達功率
Motor Power (W)

牙型
Tooth Shape

開關數
Number of Sensors

100...600

直徑
Φ

導程
Pitch

D 直接安裝
Direct Installation

PJ 加強底座
Reinforcement Base

無
None

G 減速機 1:5
Gear Reducer 1:10

M 三菱
Mitsubishi

T 台達
Delta

P 松下
Panasonic

Y 安川
Yaskawa

9000

A M64 x 2

S3 3 個開關
3x Sensors

Sn n 個開關
nx Sensors

● 有選項 Optional ● 無選項 No options

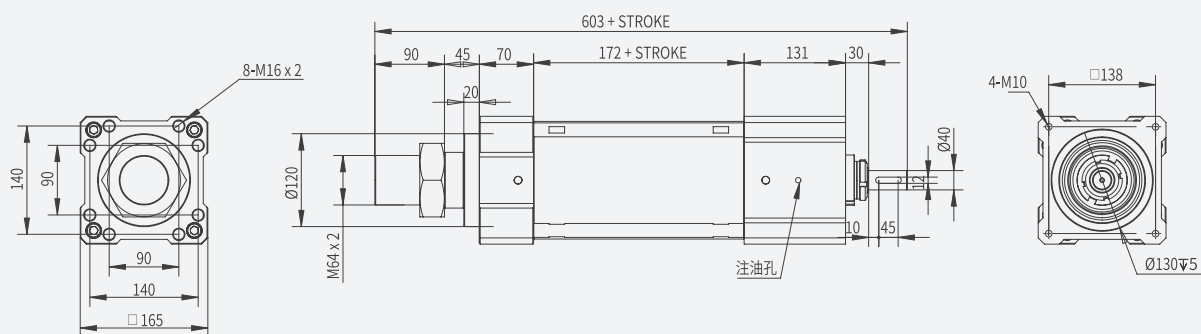
FS
100
FP
63
80
100
125
160
200
250
320

馬達輸出 Motor Power (W)		9000		最大驅動扭矩 Max. Driving Torque (Nm)		290			
額定扭矩 Torque (Nm)		28.6		最大軸向負載 Max. Axial Load (Kg)		15000			
馬達額定轉速 Motor Rated Speed (rpm)		3000		行程範圍 Stroke Range (mm)		100...600			
重複定位精度 Rep. Accuracy (mm)		±0.02		基本額定動載荷* Basic Dynamic Load Rating(kN)		153			
軸棒旋轉角度 Max. Piston Rod Rotate Angle		±0.3°		基本額定靜載荷 Basic Static Load Rating(kg)		271			
搭配減速比 Reducer Ratio		1:5		1:10		0mm 行程基本重量 Basic Weight for 0mm Stroke (kg)		75.99	
行星螺桿規格 Planetary Screw Spec.		ø39		10		每100mm 行程增加重量 Additional Weight per 100mm Stroke (kg)		8.4	
最大推力* Max Thrust (N)		76333		152666		光電開關 Optical Proximity Sensor		SUX-PM-L45**	
最高速度 Max. Speed (mm/s)		100		50					

* 需搭配減速機使用 Must cooperate with reducer*選配配件 Optional accessories:

AIMFP-125 基本型 standard

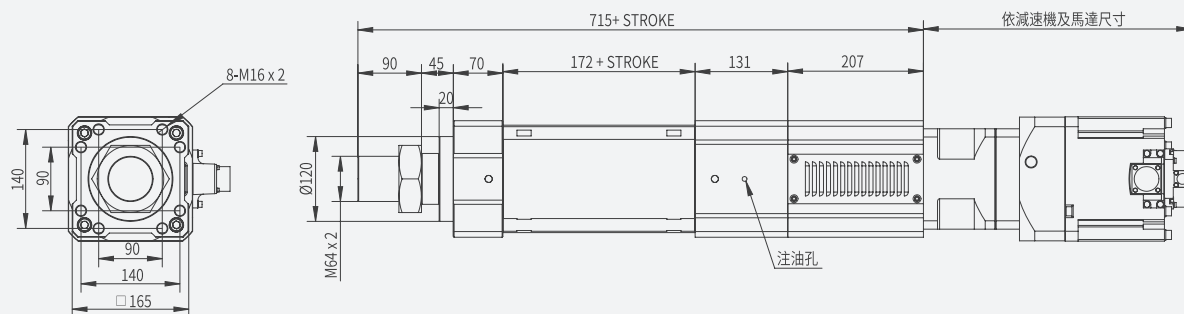
單位 Unit:mm



本圖面僅供參考用途，實際尺寸皆以實際提供之2D/3D圖紙為準 This drawing is for reference only. The actual dimensions are based on the actual 2D / 3D drawings provided.

AIMFP-125-D 馬達直接安裝 motor direct installation

單位 Unit:mm



本圖面僅供參考用途，實際尺寸皆以實際提供之2D/3D圖紙為準 This drawing is for reference only. The actual dimensions are based on the actual 2D / 3D drawings provided.

經濟型螺桿滑台

Economy linear actuator

半密螺桿滑台

RP linear actuator

歐規螺桿滑台

EU linear actuator

超長形皮帶滑台

Super length linear actuator

小型/標準型 電動缸

Cylinder actuator

大推力電動缸

Heavy duty cylinder actuator

旋轉平台

Rotary stage

精密對位平台

Precision alignment stage

減速機

Gear reducer

電動夾爪

Electric gripper

升降旋轉模組

Lifting & rotating module

十字轉向器

Bevel gearbox

滾珠式

Ball screw drive

行星滾柱式

Planetary screw drive

FS

100

FP

63

80

100

125

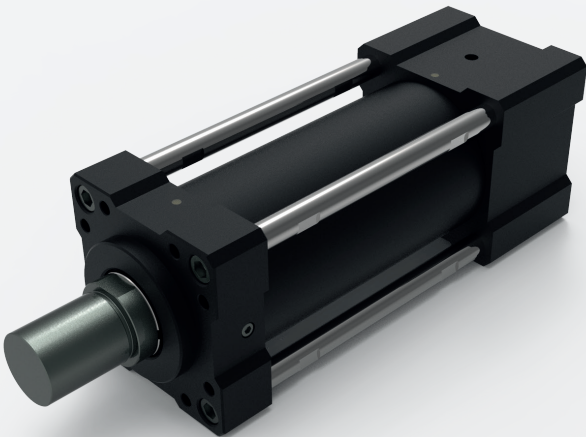
160

200

250

320

行星滾柱式大推力電動缸
HEAVY DUTY CYLINDER ACTUATOR PLANETARY SCREW DRIVE



- 經濟型螺桿滑台
Economy linear actuator
- 半密螺桿滑台
R. linear actuator
- 歐規螺桿滑台
EU linear actuator
- 超長形皮帶滑台
Super length linear actuator
- 小型/標準型 電動缸
Cylinder actuator
- 大推力電動缸
Heavy duty cylinder actuator
- 旋轉平台
Rotary stage
- 精密對位平台
Precision alignment stage
- 減速機
Gear reducer
- 電動夾爪
Electric gripper
- 升降旋轉模組
Lifting & rotating module
- 十字轉向器
Bevel gearbox

- 滾珠式
Ball screw drive
- 行星滾柱式
Planetary screw drive

AIM FP - 160 - 200 - 4815 - D - G5 - M 11k - A - S3

行星滾柱式大推力缸
Heavy Duty Cylinder Actuator
Planetary Screw Drive

缸徑
Size (mm)

行程
Stroke (mm)

螺桿規格
Ball Screw Spec.(mm)

馬達安裝位置
Motor Position

減速比配置
Reducer Ratio Config.

馬達功率 (W)
Motor Power (W)

牙型
Tooth Shape

開關數
Number of Sensors

100...600

直徑
Φ

導程
Pitch

D 直接安裝
Direct Installation

PJ 加強底座
Reinforcement Base

無
None

G 減速機 1:5
Gear Reducer 1:10

M 三菱
Mitsubishi

P 松下
Panasonic

Y 安川
Yaskawa

T 台達
Delta

O 其他
Others

A M80 x 2

S3 3 個開關
3x Sensors

Sn n 個開關
nx Sensors

11000

● 有選項 Optional ● 無選項 No options

馬達輸出 Motor Power (W)		11000		最大驅動扭矩 Max. Driving Torque (Nm)		470	
額定扭矩 Torque (Nm)		70		最大軸向負載 Max. Axial Load (kg)		25000	
馬達額定轉速 Motor Rated Speed (rpm)		1500		行程範圍 Stroke Range (mm)		100...600	
重複定位精度 Rep. Accuracy (mm)		±0.02		基本額定動載荷* Basic Dynamic Load Rating(N)		258	
軸棒旋轉角度 Max. Piston Rod Rotate Angle		±0.3°		基本額定靜載荷 Basic Static Load Rating(N)		486	
搭配減速比 Reducer Ratio		1:5	1:10	0mm 行程基本重量 Basic Weight for 0mm Stroke (kg)		177.47	
行星螺桿規格 Planetary Screw Spec.	ø48	15		每100mm 行程增加重量 Additional Weight per 100mm Stroke (kg)		13.48	
最大推力* Max Thrust (N)		117226	234453	光電開關 Optical Proximity Sensor		SUX-PM-L45**	
最高速度 Max. Speed (mm/s)		75	37.5				

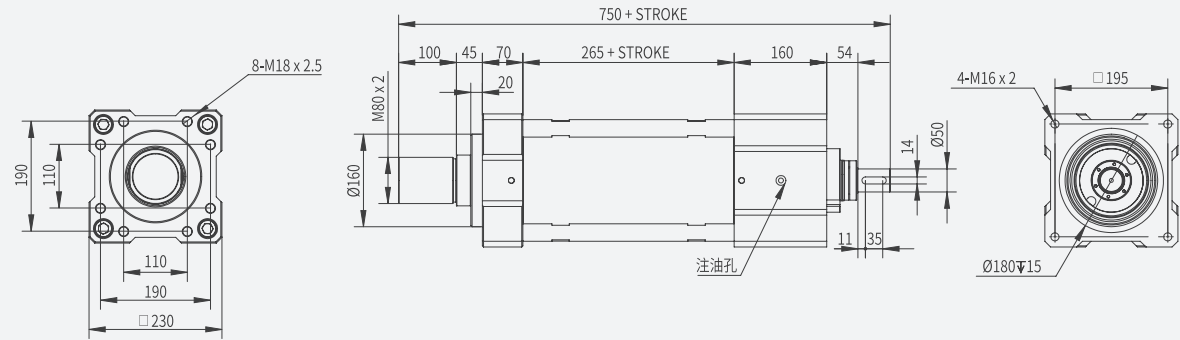
* 需搭配減速機使用 Must cooperate with reducer* 選配配件 Optional accessories

- FS
- 100
- FP
- 63
- 80
- 100
- 125
- 160
- 200
- 250
- 320

經濟型螺桿滑台
Economy linear actuator
半密螺桿滑台
JP linear actuator
歐規螺桿滑台
EU linear actuator
超長形皮帶滑台
Super length linear actuator
小型/標準型 電動缸
Cylinder actuator
大推力電動缸
Heavy duty cylinder actuator
旋轉平台
Rotary stage
精密對位平台
Precision alignment stage
減速機
Gear reducer
電動夾爪
Electric gripper
升降旋轉模組
Lifting & rotating module
十字轉向器
Bevel gearbox
滾珠式
Ball screw drive
行星滾柱式
Planetary screw drive

AIMFP-160 基本型 standard

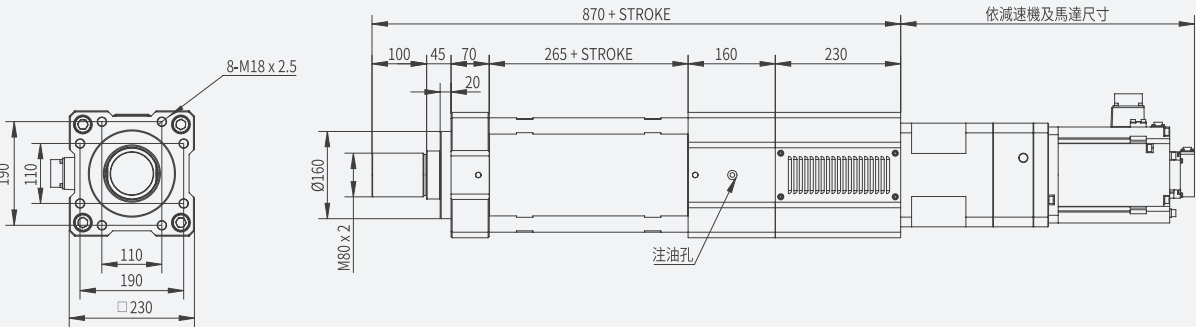
單位 Unitmm



本圖面僅供參考用途，實際尺寸皆以實際提供之2D/3D圖紙為準 This drawing is for reference only. The actual dimensions are based on the actual 2D / 3D drawings provided.

AIMFP-160-D 馬達直接安裝 motor direct installation

單位 Unitmm

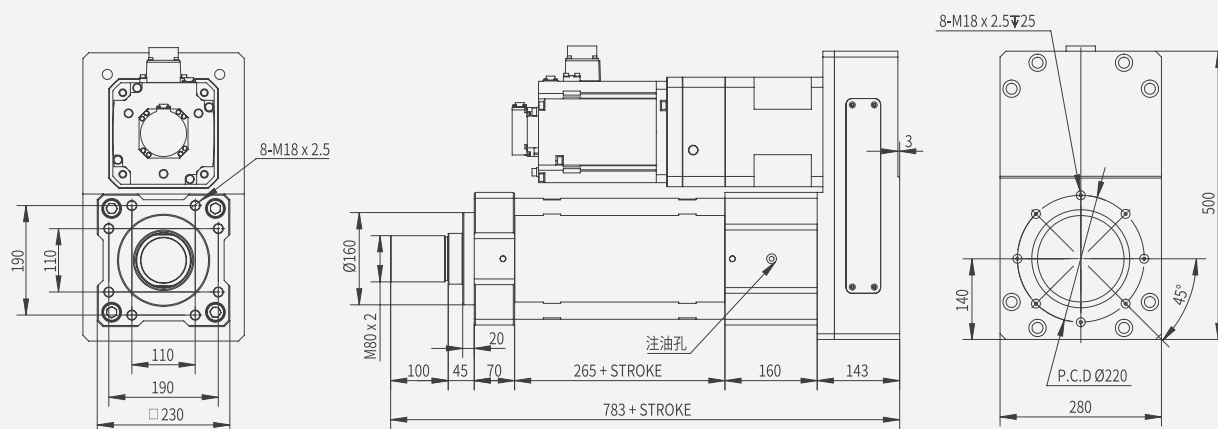


本圖面僅供參考用途，實際尺寸皆以實際提供之2D/3D圖紙為準 This drawing is for reference only. The actual dimensions are based on the actual 2D / 3D drawings provided.

FS
100
FP
63
80
100
125
160
200
250
320

AIMFP-160-PJ 加強底座 reinforcement base

單位 Unit:mm



本圖面僅供參考用途，實際尺寸皆以實際提供之2D/3D圖紙為準 This drawing is for reference only. The actual dimensions are based on the actual 2D / 3D drawings provided.

經濟型螺桿滑台
Economy linear actuator
半密螺桿滑台
RP linear actuator
歐規螺桿滑台
EU linear actuator
超長形皮帶滑台
Super length linear actuator
小型/標準型電動缸
Cylinder actuator
大推力電動缸
Heavy duty cylinder actuator
旋轉平台
Rotary stage
精密對位平台
Precision alignment stage
減速機
Gear reducer
電動夾爪
Electric gripper
升降旋轉模組
Lifting & rotating module
十字轉向器
Bevel gearbox
滾珠式
Ball screw drive
行星滾柱式
Planetary screw drive

FS

100

FP

63

80

100

125

160

200

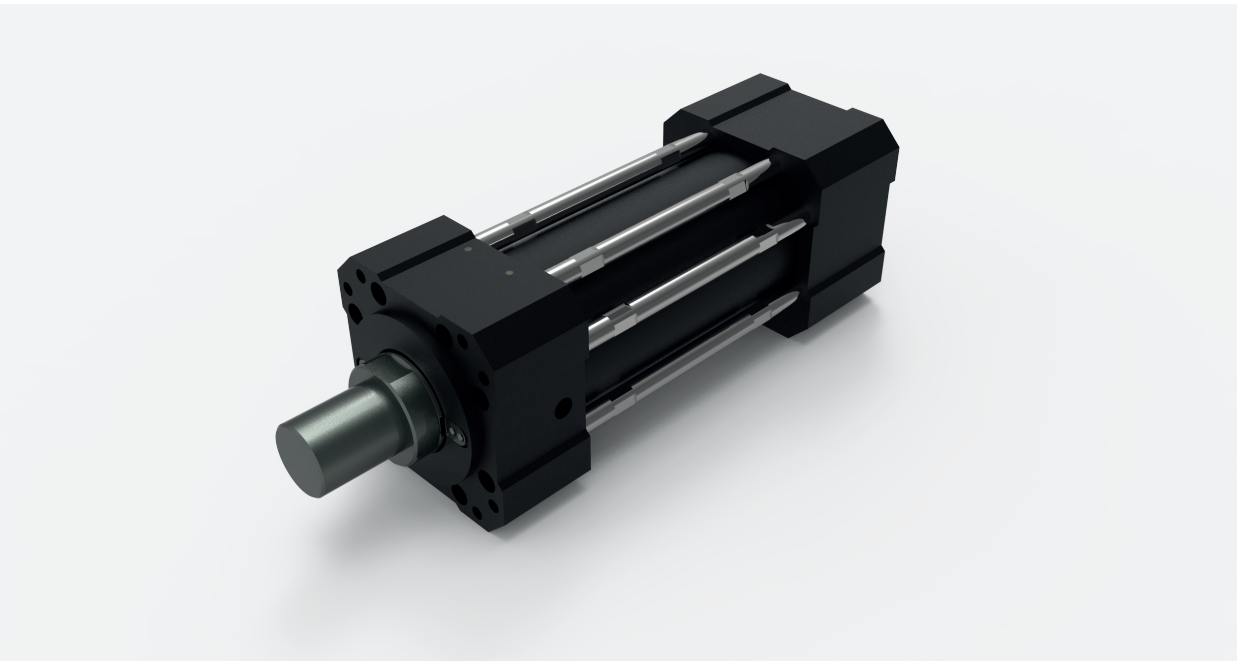
250

320

行星滾柱式大推力電動缸

HEAVY DUTY CYLINDER ACTUATOR PLANETARY SCREW DRIVE

- 經濟型螺桿滑台
Economy linear actuator
- 半密螺桿滑台
JE linear actuator
- 歐規螺桿滑台
EU linear actuator
- 超長形皮帶滑台
Super length linear actuator
- 小型/標準型 電動缸
Cylinder actuator
- 大推力電動缸
Heavy duty cylinder actuator
- 旋轉平台
Rotary stage
- 精密對位平台
Precision alignment stage
- 減速機
Gear reducer
- 電動夾爪
Electric gripper
- 升降旋轉模組
Lifting & rotating module
- 十字轉向器
Bevel gearbox
- 滾珠式
Ball screw drive
- 行星滾柱式
Planetary screw drive



AIM FP - 200 - 200 - 6015 - D - G5 - M 22k - A - S3

行星滾柱式大推力缸
Heavy Duty Cylinder Actuator
Planetary Screw Drive

缸徑
Size (mm)

行程
Stroke (mm)

螺桿規格
Ball Screw Spec.(mm)

馬達安裝位置
Motor Position

減速比配置
Reducer Ratio Config.

馬達功率
Motor Power (W)

牙型
Tooth Shape

開關數
Number of Sensors

100...600

直徑
Φ

導程
Pitch

D 直接安裝
Direct Installation

PJ 加強底座
Reinforcement Base

無
None

G 減速機 1:5
Gear Reducer 1:10

M 三菱
Mitsubishi

P 松下
Panasonic

Y 安川
Yaskawa

T 台達
Delta

O 其他
Others

A M100 x 3

S3 3 個開關
3x Sensors

Sn n 個開關
nx Sensors

22000

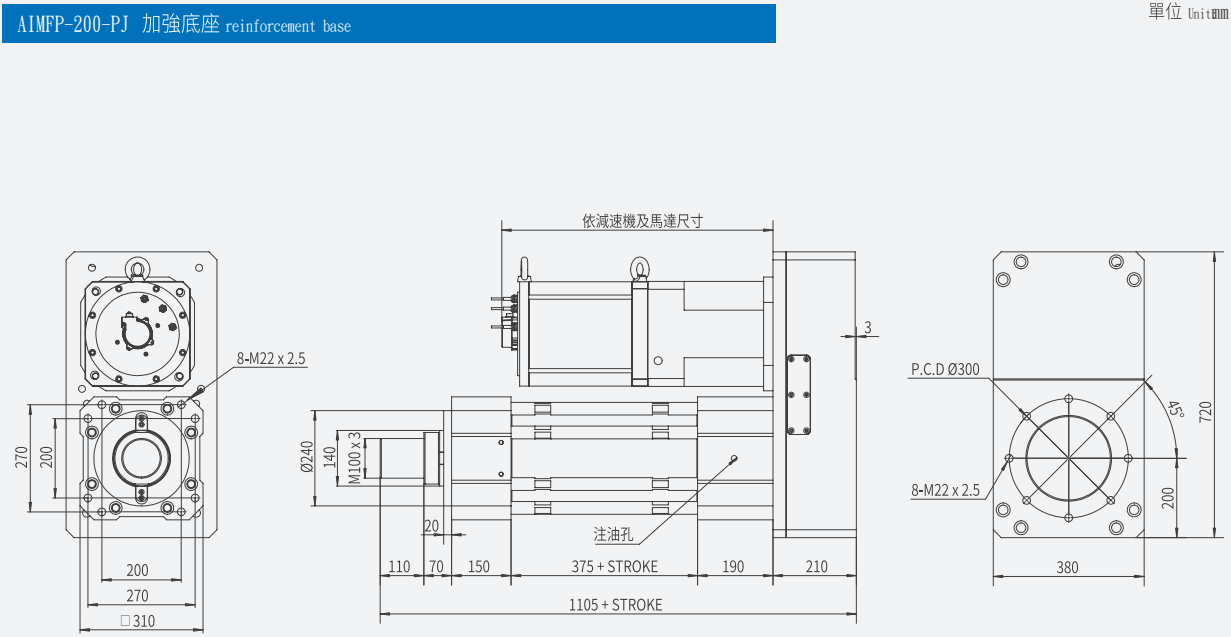
● 有選項 Optional ● 無選項 No options

- FS
- 100
- FP
- 63
- 80
- 100
- 125
- 160
- 200
- 250
- 320

馬達輸出 Motor Power (W)	22000		最大驅動扭矩 Max. Driving Torque (Nm)	1480
額定扭矩 Torque (Nm)	140		最大軸向負載 Max. Axial Load (kg)	50000
馬達額定轉速 Motor Rated Speed (rpm)	1500		行程範圍 Stroke Range (mm)	100...600
重複定位精度 Rep. Accuracy (mm)	±0.02		基本額定動載荷* Basic Dynamic Load Rating(N)	494
軸棒旋轉角度 Max. Piston Rod Rotate Angle	±0.3°		基本額定靜載荷 Basic Static Load Rating(N)	1206
搭配減速比 Reducer Ratio	1:7	1:10	0mm 行程基本重量 Basic Weight for 0mm Stroke (kg)	424
行星螺桿規格 Planetary Screw Spec.	ø60	15	每100mm 行程增加重量 Additional Weight per 100mm Stroke (kg)	24.1
最大推力* Max Thrust (N)	328335	468900	光電開關 Optical Proximity Sensor	SUX-PM-L45**
最高速度 Max. Speed (mm/s)	53	37		

* 需搭配減速機使用 Must cooperate with reducer**選配件件 Optional accessories:

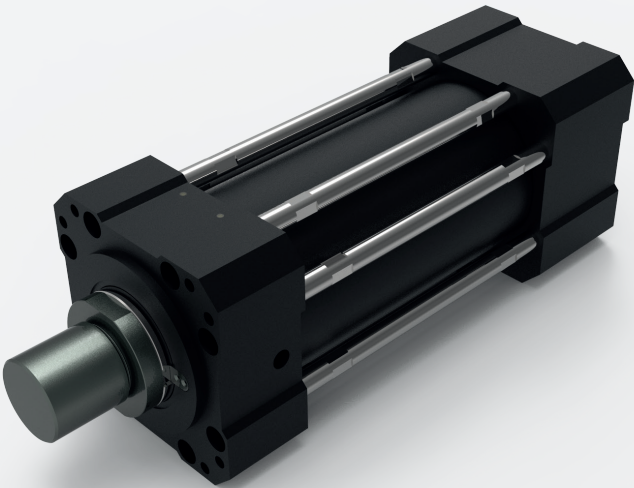
單位 Unit:mm



本圖面僅供參考用途，實際尺寸皆以實際提供之2D/3D圖紙為準 This drawing is for reference only. The actual dimensions are based on the actual 2D / 3D drawings provided.

FS
100
FP
63
80
100
125
160
200
250
320

行星滾柱式大推力電動缸
HEAVY DUTY CYLINDER ACTUATOR PLANETARY SCREW DRIVE



- 經濟型螺桿滑台
Economy linear actuator
- 半密螺桿滑台
R. linear actuator
- 歐規螺桿滑台
EU linear actuator
- 超長形皮帶滑台
Super length linear actuator
- 小型/標準型 電動缸
Cylinder actuator
- 大推力電動缸
Heavy duty cylinder actuator
- 旋轉平台
Rotary stage
- 精密對位平台
Precision alignment stage
- 減速機
Gear reducer
- 電動夾爪
Electric gripper
- 升降旋轉模組
Lifting & rotating module
- 十字轉向器
Bevel gearbox

- 滾珠式
Ball screw drive
- 行星滾柱式
Planetary screw drive

AIM FP - 250 - 200 - 8715 - D - G5 - M 30k - A - S3

行星滾柱式大推力缸
Heavy Duty Cylinder Actuator
Planetary Screw Drive

缸徑
Size (mm)

行程
Stroke (mm)

螺桿規格
Ball Screw Spec.(mm)

馬達安裝位置
Motor Position

減速比配置
Reducer Ratio Config.

馬達功率
Motor Power (W)

牙型
Tooth Shape

開關數
Number of Sensors

100...600

直徑
Φ

導程
Pitch

87

15

D 直接安裝
Direct Installation

PJ 加強底座
Reinforcement Base

無
None

G 減速機 1:5
Gear Reducer 1:10

M 三菱
Mitsubishi

P 松下
Panasonic

Y 安川
Yokumo

T 台達
Delta

O 其他
Others

A M125 x 4

S3 3 個開關
3x Sensors

Sn n 個開關
nx Sensors

30000

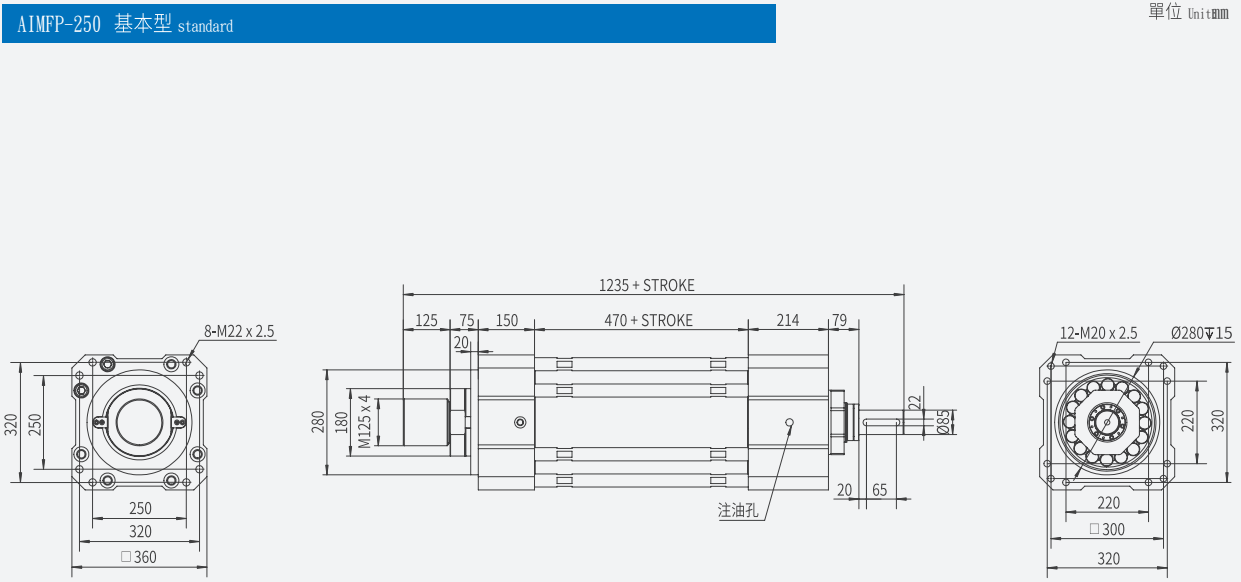
● 有選項 Optional ● 無選項 No options

馬達輸出 Motor Power (W)		30000		最大驅動扭矩 Max. Driving Torque (Nm)		2250	
額定扭矩 Torque (Nm)		191		最大軸向負載 Max. Axial Load (kg)		75000	
馬達額定轉速 Motor Rated Speed (rpm)		1500		行程範圍 Stroke Range (mm)		100...600	
重複定位精度 Rep. Accuracy (mm)		±0.02		基本額定動載荷* Basic Dynamic Load Rating(N)		1059	
軸棒旋轉角度 Max. Piston Rod Rotate Angle		±0.3°		基本額定靜載荷 Basic Static Load Rating(N)		3527	
搭配減速比 Reducer Ratio		1:7		0mm 行程基本重量 Basic Weight for 0mm Stroke (kg)		627	
行星螺桿規格 Planetary Screw Spec.	ø87	15		每100mm 行程增加重量 Additional Weight per 100mm Stroke (kg)		34	
最大推力* Max Thrust (N)		447805		光電開關 Optical Proximity Sensor		SUX-PM-L45**	
最高速度 Max. Speed (mm/s)		53					

* 需搭配減速機使用 Must cooperate with reducer* 選配件 Optional accessories

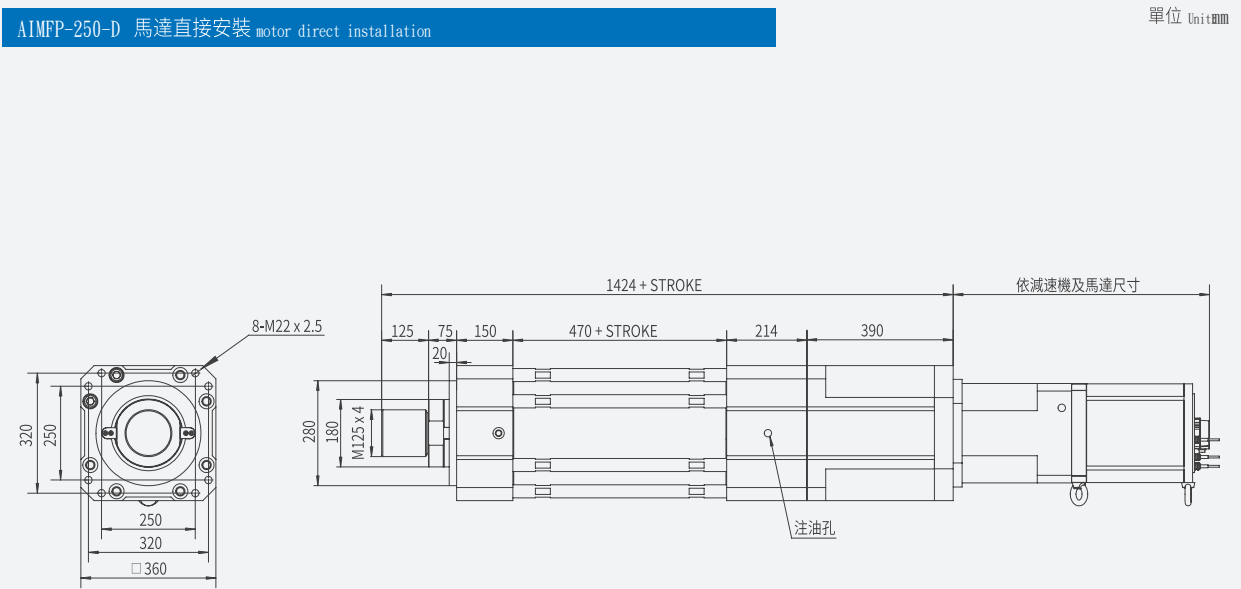
- FS
- 100
- FP
- 63
- 80
- 100
- 125
- 160
- 200
- 250
- 320

經濟型螺桿滑台
Economy linear actuator
半密螺桿滑台
JP linear actuator
歐規螺桿滑台
EU linear actuator
超長形皮帶滑台
Super length linear actuator
小型/標準型 電動缸
Cylinder actuator
大推力電動缸
Heavy duty cylinder actuator
旋轉平台
Rotary stage
精密對位平台
Precision alignment stage
減速機
Gear reducer
電動夾爪
Electric gripper
升降旋轉模組
Lifting & rotating module
十字轉向器
Bevel gearbox
滾珠式
Ball screw drive
行星滾柱式
Planetary screw drive



本圖面僅供參考用途，實際尺寸皆以實際提供之2D/3D圖紙為準 This drawing is for reference only. The actual dimensions are based on the actual 2D / 3D drawings provided.

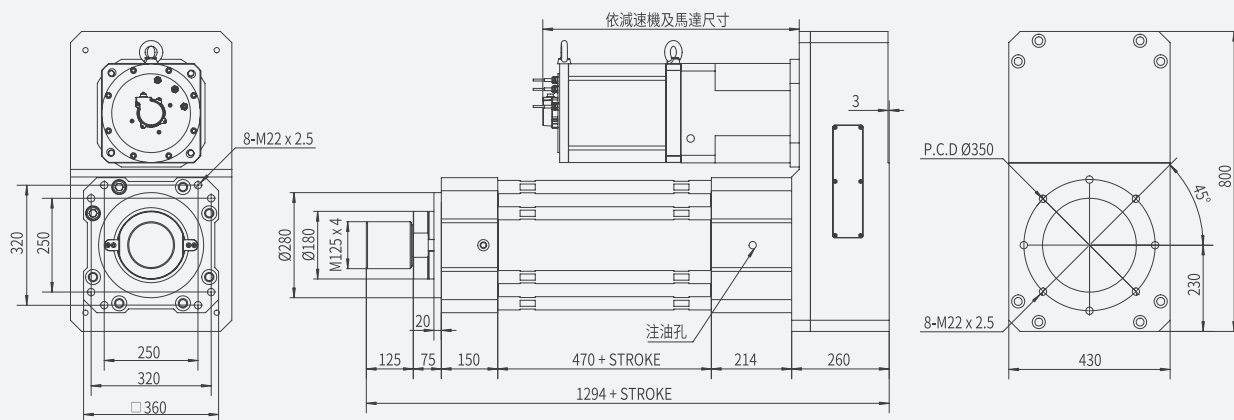
FS
100
FP
63
80
100
125
160
200
250
320



本圖面僅供參考用途，實際尺寸皆以實際提供之2D/3D圖紙為準 This drawing is for reference only. The actual dimensions are based on the actual 2D / 3D drawings provided.

AIMFP-250-PJ 加強底座 reinforcement base

單位 Unit:mm



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經濟型螺桿滑台
Economy linear actuator半密螺桿滑台
RP linear actuator歐規螺桿滑台
EU linear actuator超長形皮帶滑台
Super length linear actuator小型/標準型電動缸
Cylinder actuator大推力電動缸
Heavy duty cylinder actuator旋轉平台
Rotary stage精密對位平台
Precision alignment stage減速機
Gear reducer電動夾爪
Electric gripper升降旋轉模組
Lifting & rotating module十字轉向器
Bevel gearbox滾珠式
Ball screw drive行星滾柱式
Planetary screw drive

FS

100

FP

63

80

100

125

160

200

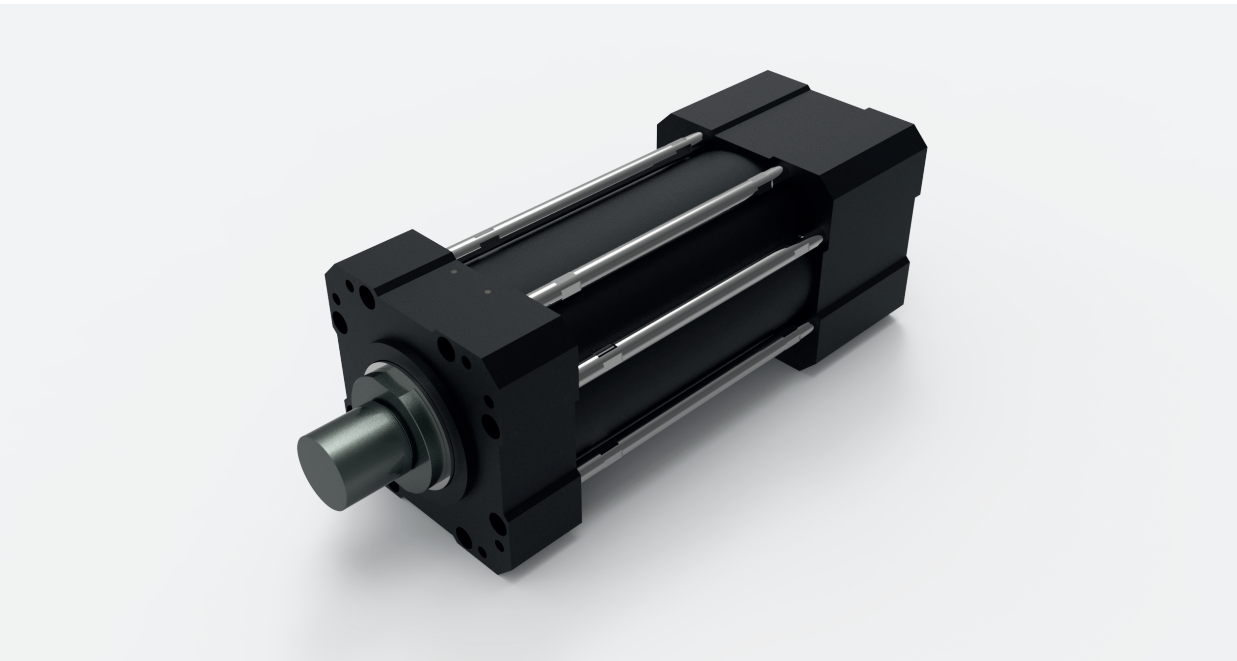
250

320

行星滾柱式大推力電動缸

HEAVY DUTY CYLINDER ACTUATOR PLANETARY SCREW DRIVE

- 經濟型螺桿滑台
Economy linear actuator
- 半密螺桿滑台
JE linear actuator
- 歐規螺桿滑台
EU linear actuator
- 超長形皮帶滑台
Super length linear actuator
- 小型/標準型 電動缸
Cylinder actuator
- 大推力電動缸
Heavy duty cylinder actuator
- 旋轉平台
Rotary stage
- 精密對位平台
Precision alignment stage
- 減速機
Gear reducer
- 電動夾爪
Electric gripper
- 升降旋轉模組
Lifting & rotating module
- 十字轉向器
Bevel gearbox
- 滾珠式
Ball screw drive
- 行星滾柱式
Planetary screw drive



AIM FP - 320 - 200 - 9915 - D - G5 - M 45k - A - S3

行星滾柱式大推力缸
Heavy Duty Cylinder Actuator
Planetary Screw Drive

缸徑
Size (mm)

行程
Stroke (mm)

螺桿規格
Ball Screw Spec.(mm)

馬達安裝位置
Motor Position

減速比配置
Reducer Ratio Config.

馬達功率
Motor Power (W)

牙型
Tooth Shape

開關數
Number of Sensors

100...600

直徑
Φ

導程
Pitch

D 直接安裝
Direct Installation

PJ 加強底座
Reinforcement Base

無
None

G 減速機 1:5
Gear Reducer 1:10

M 三菱
Mitsubishi

P 松下
Panasonic

Y 安川
Yaskawa

T 台達
Delta

O 其他
Others

A M125 x 4

S3 3 個開關
3x Sensors

Sn n 個開關
nx Sensors

45000

● 有選項 Optional ● 無選項 No options

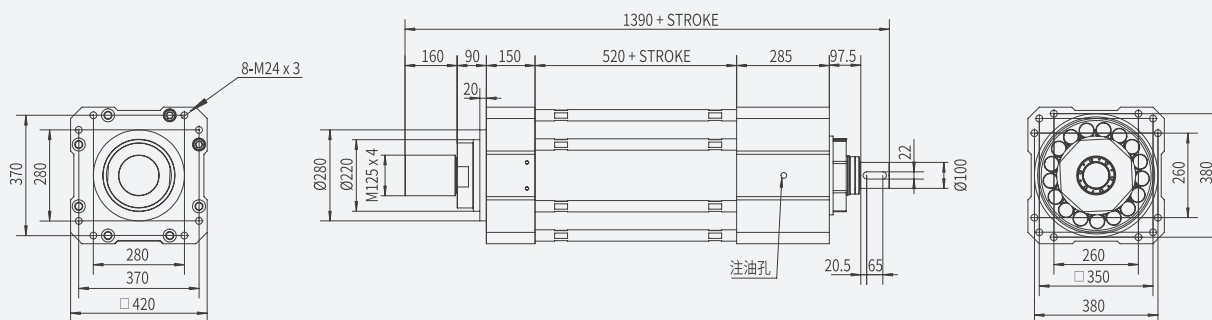
馬達輸出 Motor Power (W)	45000		最大驅動扭矩 Max. Driving Torque (Nm)	3000
額定扭矩 Torque (Nm)	286		最大軸向負載 Max. Axial Load (kg)	1000000
馬達額定轉速 Motor Rated Speed (rpm)	1500		行程範圍 Stroke Range (mm)	100...600
重複定位精度 Rep. Accuracy (mm)	±0.02		基本額定動載荷* Basic Dynamic Load Rating(N)	1277
軸棒旋轉角度 Max. Piston Rod Rotate Angle	±0.3°		基本額定靜載荷 Basic Static Load Rating(N)	4801
搭配減速比 Reducer Ratio	1:7	1:10	0mm 行程基本重量 Basic Weight for 0mm Stroke (kg)	1125.54
行星螺桿規格 Planetary Screw Spec.	ø99	15	每100mm 行程增加重量 Additional Weight per 100mm Stroke (kg)	46.16
最大推力* Max Thrust (N)	670536	957909	光電開關 Optical Proximity Sensor	SUX-PM-L45**
最高速度 Max. Speed (mm/s)	53	37		

* 需搭配減速機使用 Must cooperate with reducer** 選配配件 Optional accessories:

FS
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FP
63
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320

AIMFP-320 基本型 standard

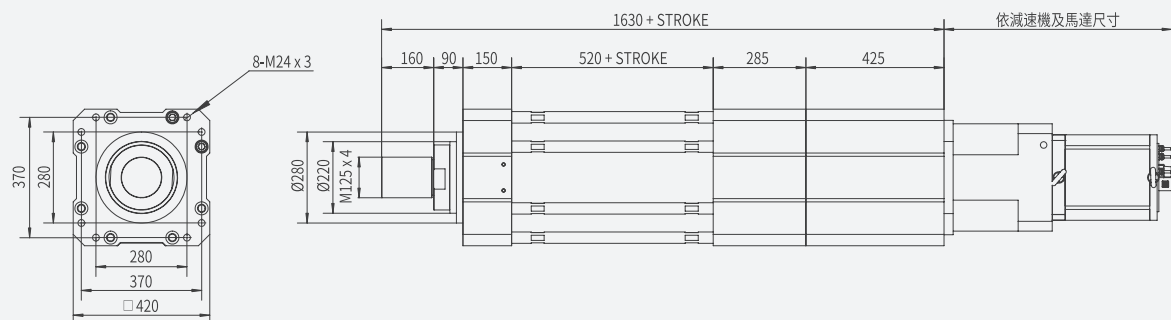
單位 Unit:mm



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AIMFP-320-D 馬達直接安裝 motor direct installation

單位 Unit:mm



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經濟型螺桿滑台
Economy linear actuator半密螺桿滑台
R. linear actuator歐規螺桿滑台
EU linear actuator超長形皮帶滑台
Super length linear actuator小型/標準型電動缸
Cylinder actuator大推力電動缸
Heavy duty cylinder actuator旋轉平台
Rotary stage精密對位平台
Precision alignment stage減速機
Gear reducer電動夾爪
Electric gripper升降旋轉模組
Lifting & rotating module十字轉向器
Bevel gearbox滾珠式
Ball screw drive行星滾柱式
Planetary screw drive

FS

100

FP

63

80

100

125

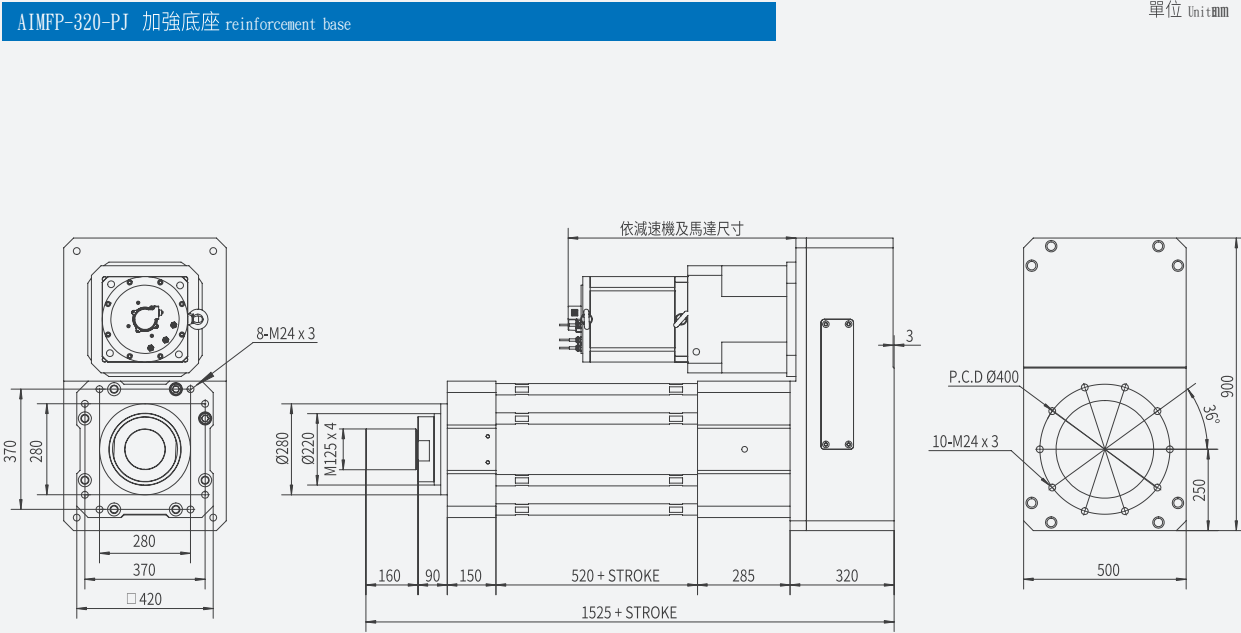
160

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經濟型螺桿滑台
Economy linear actuator
半密螺桿滑台
JP linear actuator
歐規螺桿滑台
EU linear actuator
超長形皮帶滑台
Super length linear actuator
小型/標準型 電動缸
Cylinder actuator
大推力電動缸
Heavy duty cylinder actuator
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Planetary screw drive



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FS
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FP
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80
100
125
160
200
250
320