



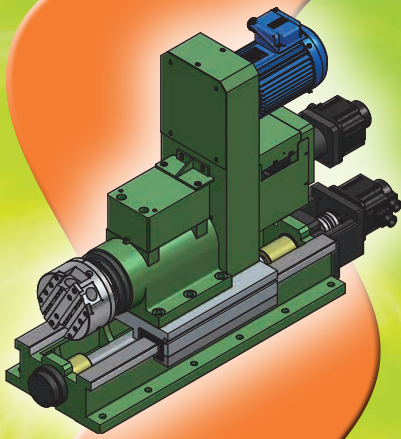
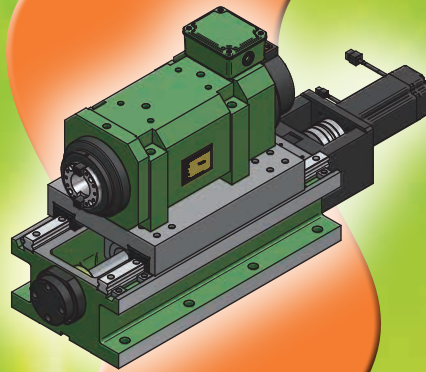
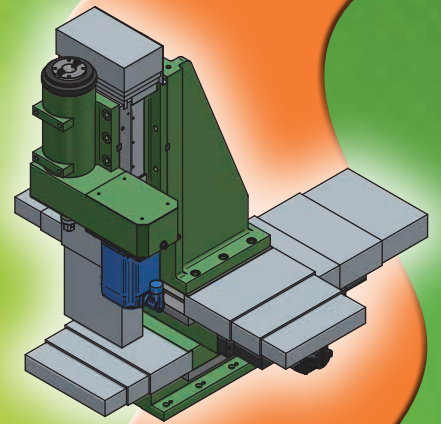
專用機系列配件

2023.07

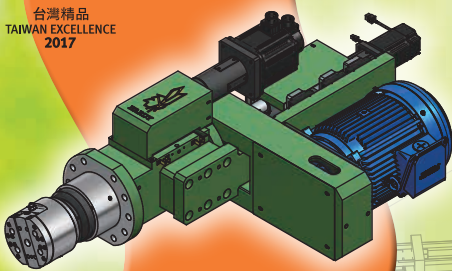
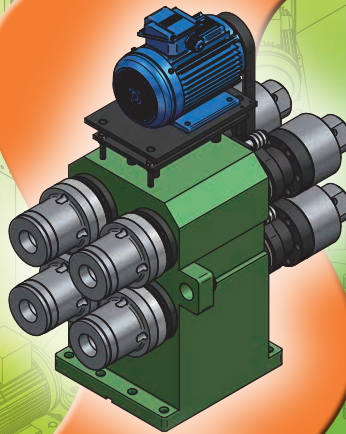
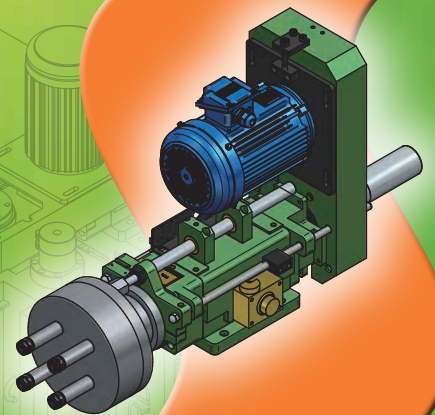
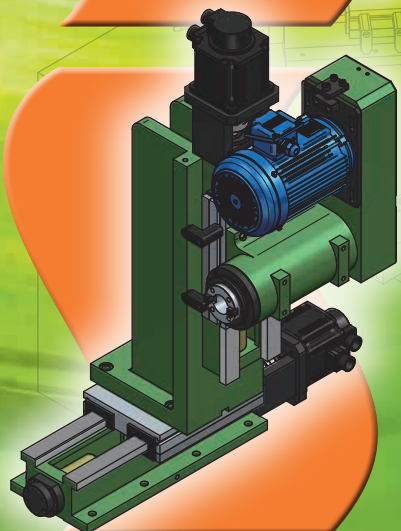
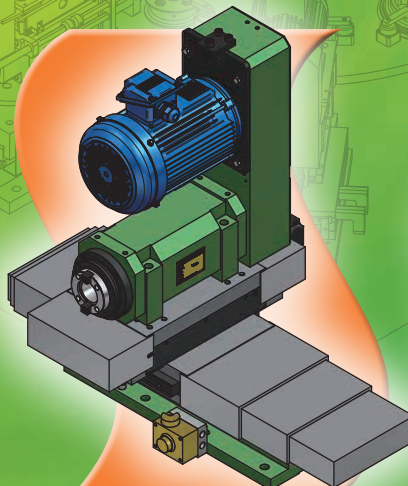
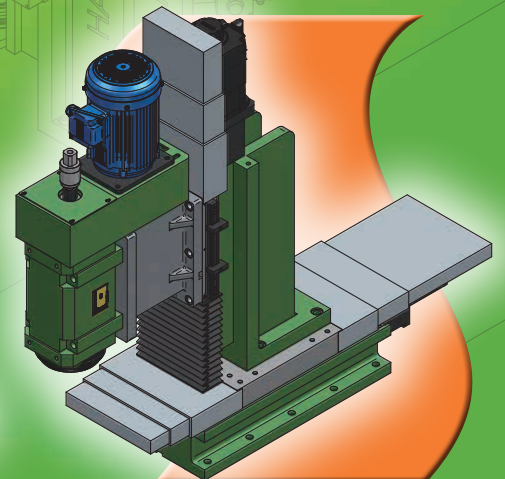
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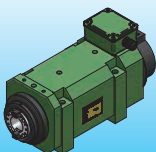
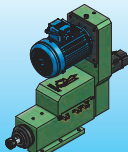
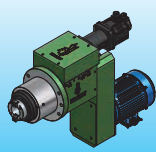
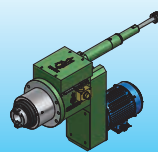
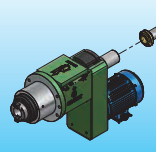
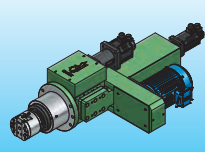
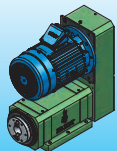
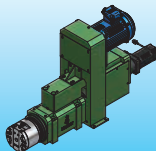
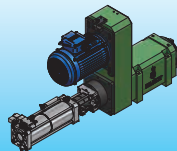
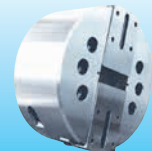
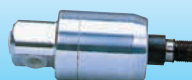
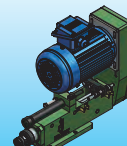
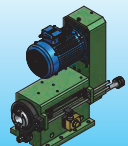
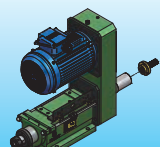
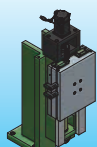
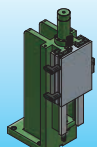
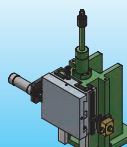
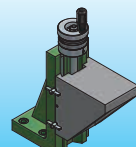
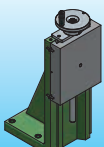
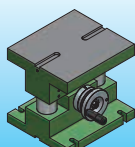
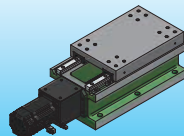
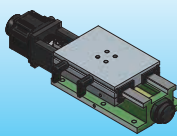
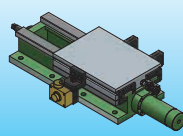
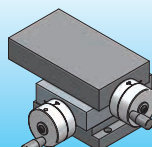
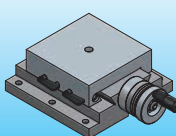
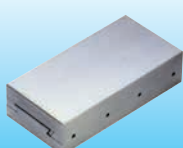
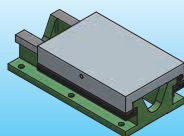
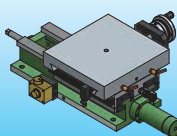
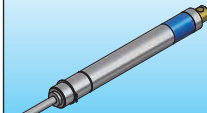
翰坤五金機械

HANN KUEN MACHINERY & HARDWARE

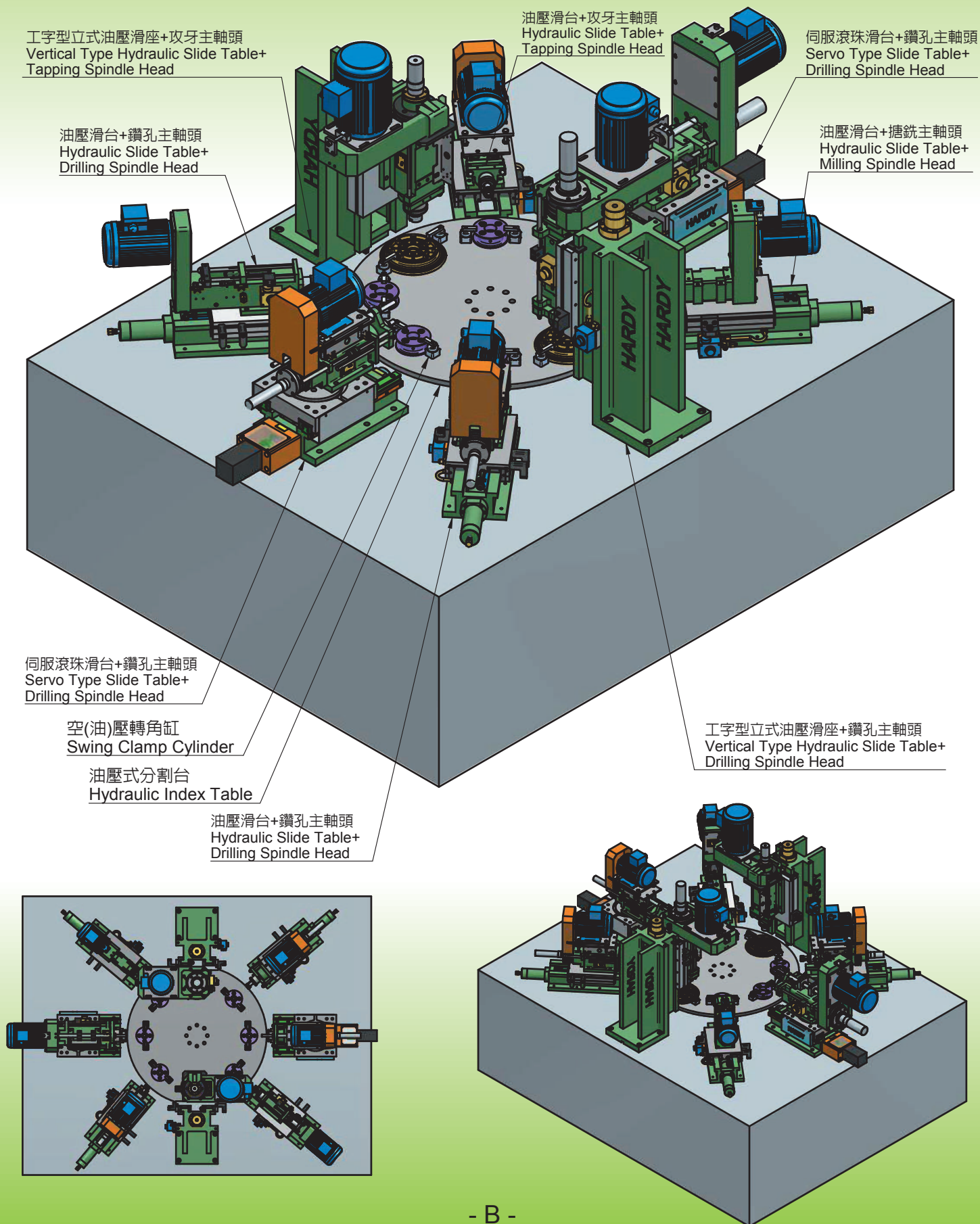


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Built-in Motor Spindle Unit  P01 ~ P06	Drilling/Tapping Spindle Head-Servo Type  P07 ~ P21	Drilling/Tapping Spindle Head-Servo / Flange Type  P22 ~ P32	Drilling Spindle Head-Hydraulic / Flange Type  P33 ~ P42	Tapping Spindle Head / Flange Type / Lead Screw Transmission  P43 ~ P52	Facing Spindle Head-Servo / Flange Type  P53 ~ P59
Boring & Milling Head Unit  P60 ~ P88	Precision Test Spindle  P89	Facing Spindle Head Unit-Servo Type  P90 ~ P97	Boring / Milling Head Unit / with Unclamping Cylinder  P98 ~ P101	Synchronous Clamp  P102	Double-Slide Facing Head  P103
Single-Slide Facing Head  P104	Rotating Hydraulic Cylinder With Stroke Control  P105	Hydraulic Rotary Valve  P106	Coolant Rotating Joint  P107	Drilling Head Units  P108 ~ P123	Drilling/Milling Spindle Head-Hydraulic Type  P124 ~ P129
Tapping Head Units  P130 ~ P141	Multi-Spindle Head  P144 ~ P146	Vertical Type Servo Slide  P147 ~ P148	Powerful Type Vertical Hydraulic / Lead screw Slide  P149 ~ P150	Vertical Cross Table With Hydraulic  P151 ~ P153	Vertical Platform Slide  P154
Vertical Angle Slide  P155	Horizontal Height adjustable Platform  P156	Servo Slide with Linear Guideway and Ball Screws  P157 ~ P161	Servo Slide With Hardness Guideway and Ball Screw  P162 ~ P167	Hydraulic Slide Units  P168 ~ P173	Cross Sliding Table  P174 ~ P176
Lead Screw Slide  P177 ~ P180	Dovetail Slide  P181	Powerful Slide  P182	Cross Table with Hydraulic & Lead Screw  P183 ~ P185	CNC Hydraulic Coupling Gear Indexer  P188 ~ P197	Hydraulic / Pneumatic Indexing Table  P198 ~ P203
Air Swing Clamp Cylinder  P204 ~ P207	Hydraulic Swing Clamp Cylinder  P208 ~ P211	Air lever-type Cylinder  P212	Hydraulic lever-type Cylinder  P213 ~ P215	Hydraulic Supporting Cylinder  P216 ~ P217	Threaded-Body Single Acting Hydraulic Cylinder  P218
Hydraulic thin-type Cylinder  P219 ~ P224	Hydraulic Booster  P225	Hydraulic Sequence Valve  P226	Air Drive Booster Pump  P227	DESCHNER Speed Regulator  P228 ~ P231	

鑽孔、攻牙、搪銑動力頭、油壓滑台組合實例： (Drilling, Tapping, Milling spindle Unit, Hydraulic Slide Unit, Combination Example)



5001# SM45 內藏式搪銑主軸頭(專利號碼:M567147) Built-in Motor Spindle Unit (Patent No.M567147)

規格	Model	SM45		SM45H	
主軸	Spindle	NT30			
最高轉速	Max. RPM	2500		8000	
軸承	Bearing	6009 / 32009 6007 / 32007		7009×2 7007×2	
電壓	Voltage	220V	380V	220V	380V
電流	Current	6.6A	3.8A	5.4A	3.2A
頻率	Frequency	84 Hz		267 Hz	
額定功率	Power	1.5Kw			
冷卻方式	Coolant	油冷(oil cooling)			
真圓度	Roundness	Within 0.003mm內			

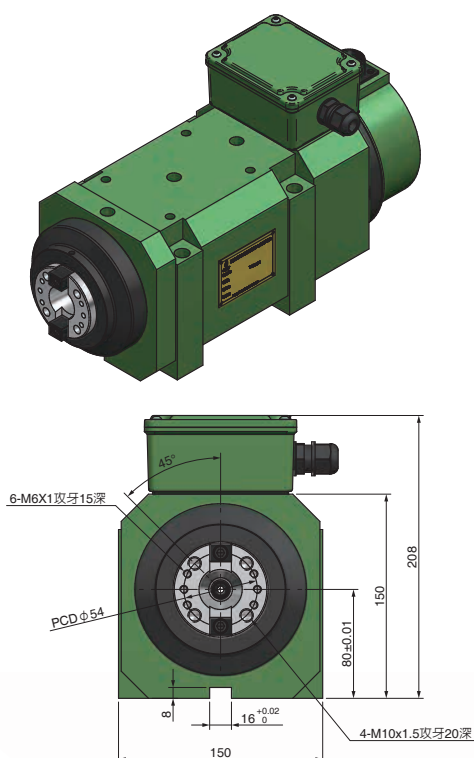
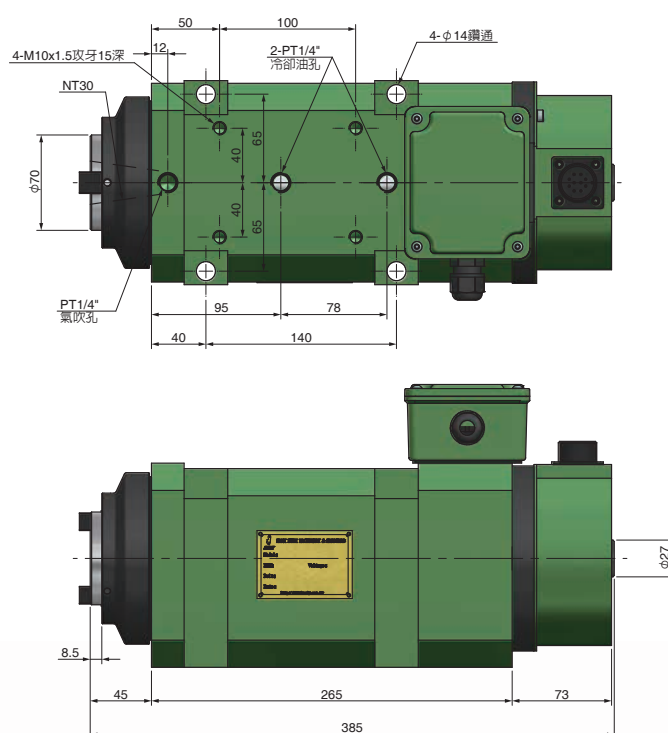
★出廠附精度檢驗表

標準含變頻器 (Driver included)
不含冷卻系統 (Oil cooler not included)

SM45-NT30
SM45H-NT30

重量	Weight	45 kg
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提供高性能速度 / 轉矩 / 多段與單點位置控制
(Precise speed, torque and position control functions)



5002# SM55 內藏式搪銑主軸頭(專利號碼:M567147) Built-in Motor Spindle Unit (Patent No.M567147)

規格	Model	SM55		SM55H	
主軸	Spindle	NT40			
最高轉速	Max. RPM	2000		6000	
軸承	Bearing	32011 / 6011Z 32008 / 6008Z		7011×2 7008×2	
電壓	Voltage	220V	380V	220V	380V
電流	Current	7.9A	4.5A	8A	4.6A
頻率	Frequency	66.6 Hz		200 Hz	
額定功率	Power	2.2Kw			
冷卻方式	Coolant	油冷(oil cooling)			
真圓度	Roundness	Within 0.003mm內			

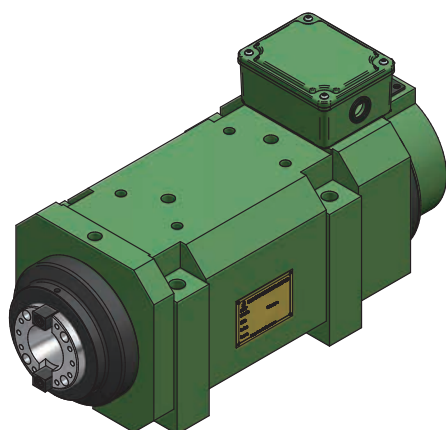
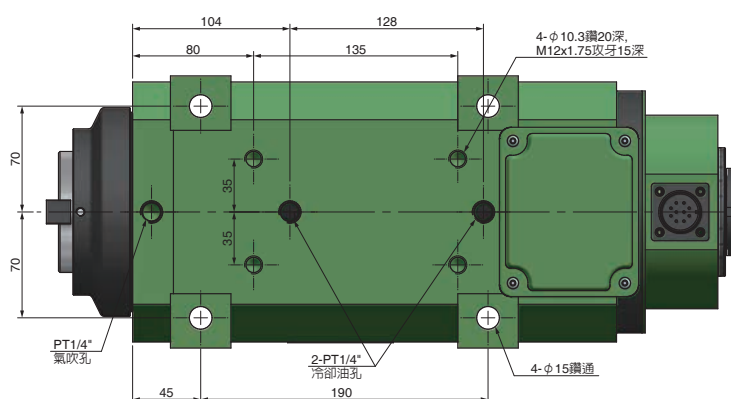
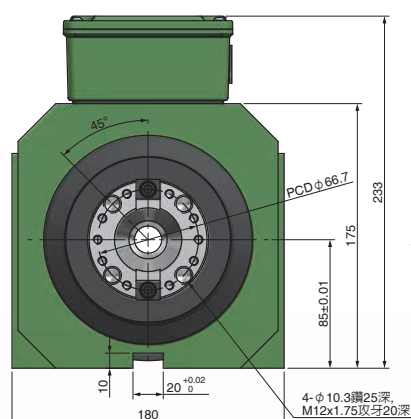
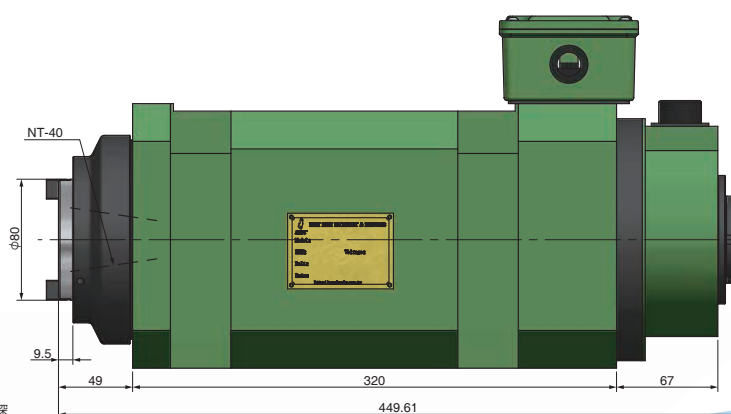
★出廠附精度檢驗表

標準含變頻器 (Driver included)
不含冷卻系統 (Oil cooler not included)

SM55-NT40
SM55H-NT40

重量	Weight	69 kg
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提供高性能速度 / 轉矩 / 多段與單點位置控制
(Precise speed, torque and position control functions)



5003# SM80 內藏式搪銑主軸頭(專利號碼:M567147)

Built-in Motor Spindle Unit (Patent No.M567147)

規格	Model	SM80		SM80H	
主軸	Spindle	NT50			
最高轉速	Max. RPM	1500		3500	
軸承	Bearing	32216 / 6216 32213 / 6213		7216×2 7213×2	
電壓	Voltage	220V	380V	220V	380V
電流	Current	13.3A	7.7A	13.1A	7.5A
頻率	Frequency	40		83.3	
額定功率	Power	3.7Kw			
冷卻方式	Coolant	油冷(oil cooling)			
真圓度	Roundness	Within 0.003mm內			

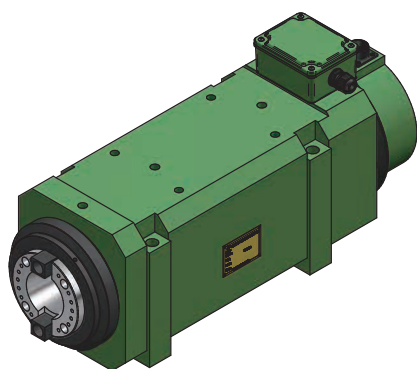
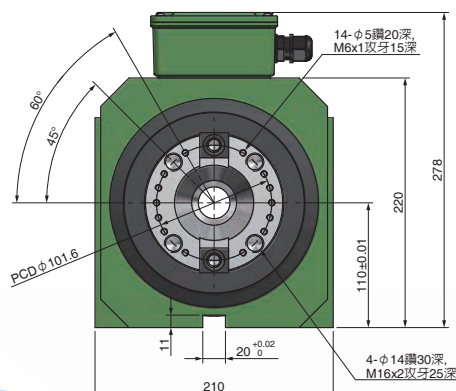
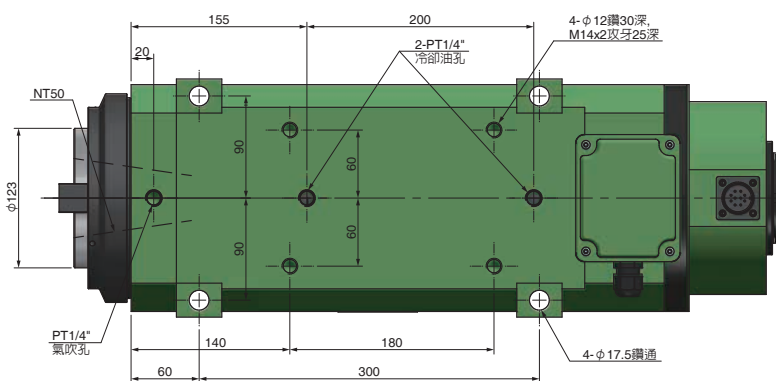
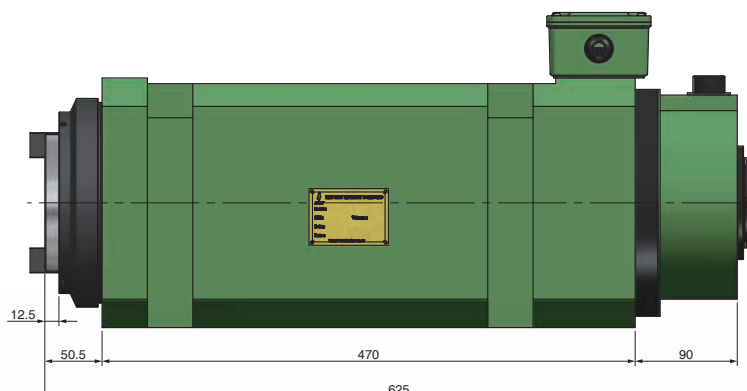
★出廠附精度檢驗表

標準含變頻器 (Driver included)
不含冷卻系統 (Oil cooler not included)

SM80-NT50
SM80H-NT50

提供高性能速度 / 轉矩 / 多段與單點位置控制
(Precise speed, torque and position control functions)

重量	Weight	147 kg
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Built-in Motor Drilling/Tapping Spindle Unit - Flange Type

提供高性能速度/轉矩/多段與單點位置控制 (Precise speed, torque and position control functions)
標準含變頻器 (Driver included)
不含冷卻系統 (Oil cooler not included)



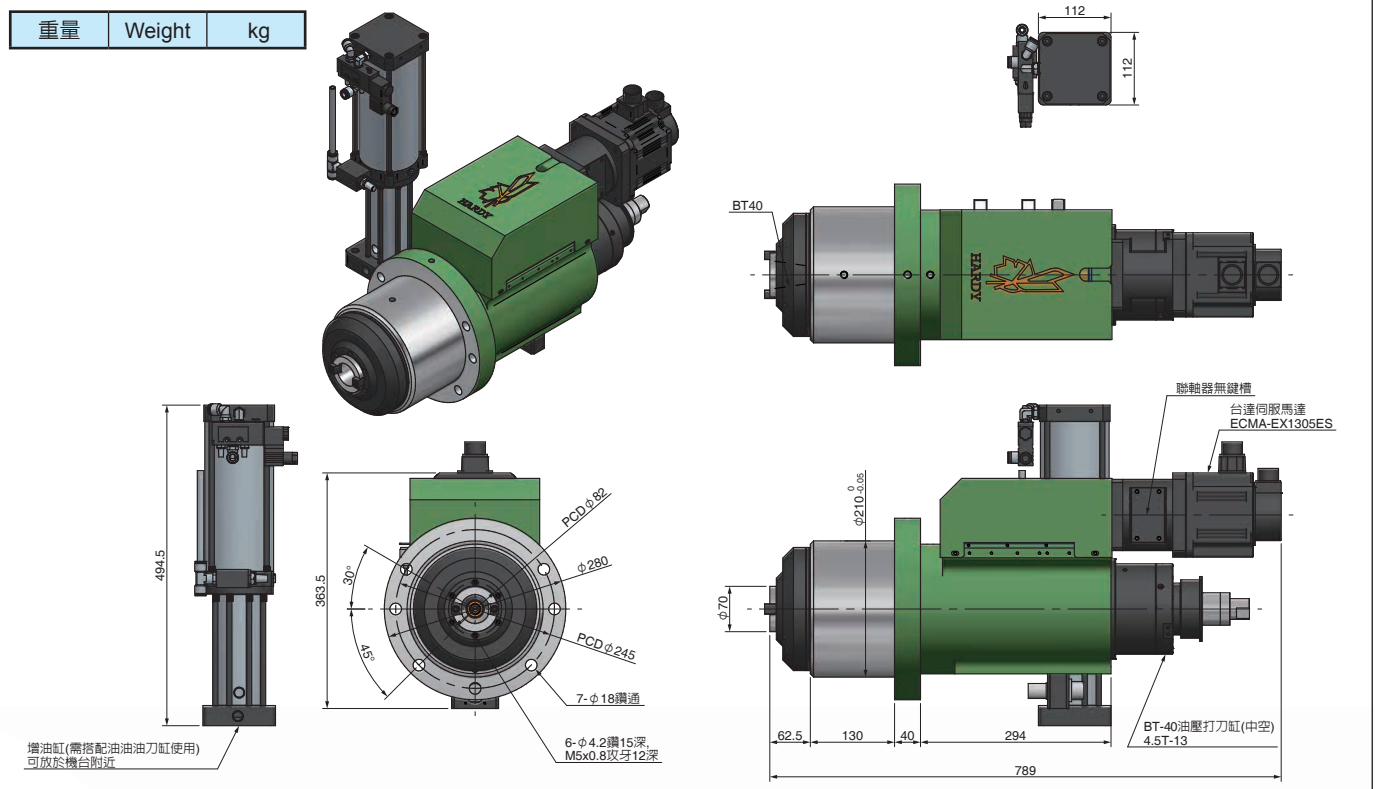
5005# FMDC155W 水車內藏式鑽孔/攻牙動力頭(自動換刀+中心出水) Built-in Motor Drilling/Tapping Spindle (ATC + Center Coolant)

規格	Model	FMDC155W			
鑽孔 / 攻牙能力	Drilling / Tapping Capacity(S45C)	φ 30 / M24			
最大行程	Max. Stroke	120mm			
最高轉速	Max. RPM	2500			
額定功率	Power	3.7Kw			
主軸軸承	Spindle Bearing	6213 / 32213 6008 / 32008			
螺桿軸承座軸承	Bearing Of Ballscrew Bearing Block	7205×2			
螺桿軸承座油封	Seal Of Ballscrew Bearing Block	TC32×48×8			
前蓋油封	Front Cover Seal	LBH155			
前蓋O型環	Front Cover O-ring	G155			
活塞O型環	Piston O-ring	P155×2			
滾珠螺桿	Ball screw	φ 32×5×C5			
電壓	Voltage	220V(2000rpm)	380V(2000rpm)	220V(2500rpm)	380V(2500rpm)
電流	Current	15A	8.7A	15.2A	8.8A
頻率	Frequency	67Hz	67Hz	83Hz	83Hz
冷卻方式	Coolant	油冷(oil cooling)			

提供高性能速度/轉矩/多段與單點位置控制 (Precise speed, torque and position control functions)
標準含變頻器 (Driver included)
不含冷卻系統 (Oil cooler not included)

FMDC155W

重量	Weight	kg
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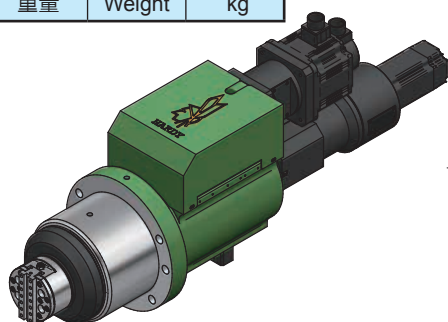
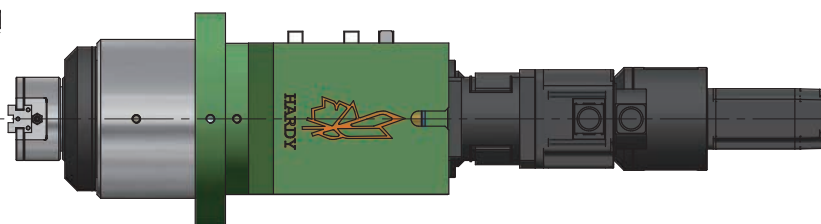
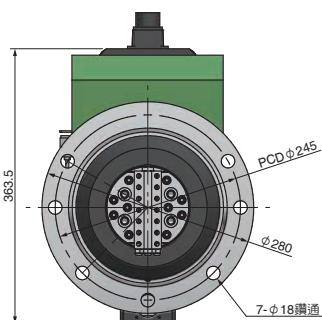
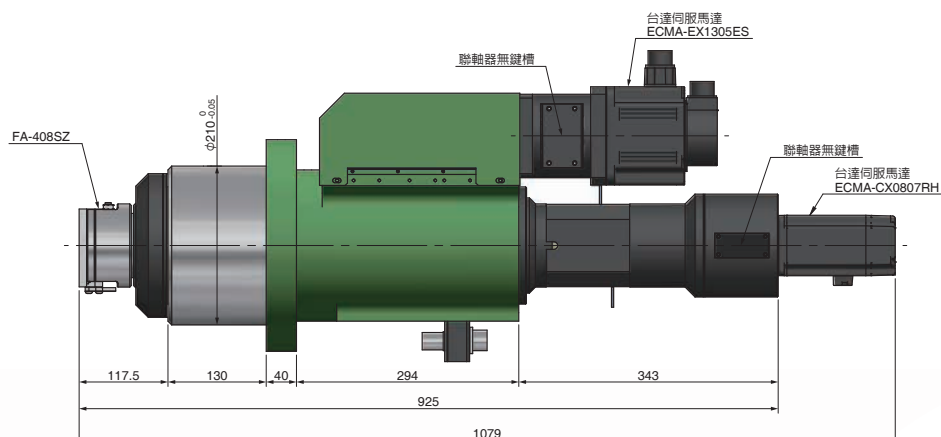
5006# FMDM155 水車內藏式展刀動力頭(專利號碼:M601665) Built-in Motor Facing Head Unit - Flange Type (Patent No.M601665)

規格	Model	FMDM155			
最大行程	Max. Stroke	120mm			
最高轉速	Max. RPM	1600			
額定功率	Power	3.7Kw			
主軸軸承	Spindle Bearing	6213 / 32213 6008 / 32008			
前蓋油封	Front Cover Seal	LBH155			
活塞O型環	Piston O-ring	P155×2			
進給螺桿	Spindle Feeding Ball Screw	φ 32×5×C5			
展刀螺桿	Facing Head Silder Ball Screw	φ 20×5×C5			
螺桿軸承座軸承	Bearing Of Ballscrew Bearing Block	7205×2			
螺桿軸承座油封	Seal Of Ballscrew Bearing Block	TC32×48×8			
展刀軸承座軸承	Bearing Of Facing Head	7203×2			
展刀搪溝頭	Single-Slide Facing Head	FA-408			
滑座行程	Slider Stroke	8mm			
電壓	Voltage	220V(2000rpm)	380V(2000rpm)	220V(2500rpm)	380V(2500rpm)
電流	Current	15A	8.7A	15.2A	8.8A
頻率	Frequency	67Hz	67Hz	83Hz	83Hz
冷卻方式	Coolant	油冷(oil cooling)			

提供高性能速度/轉矩/多段與單點位置控制 (Precise speed, torque and position control functions)
標準含變頻器 (Driver included)
不含冷卻系統 (Oil cooler not included)

FMDM155

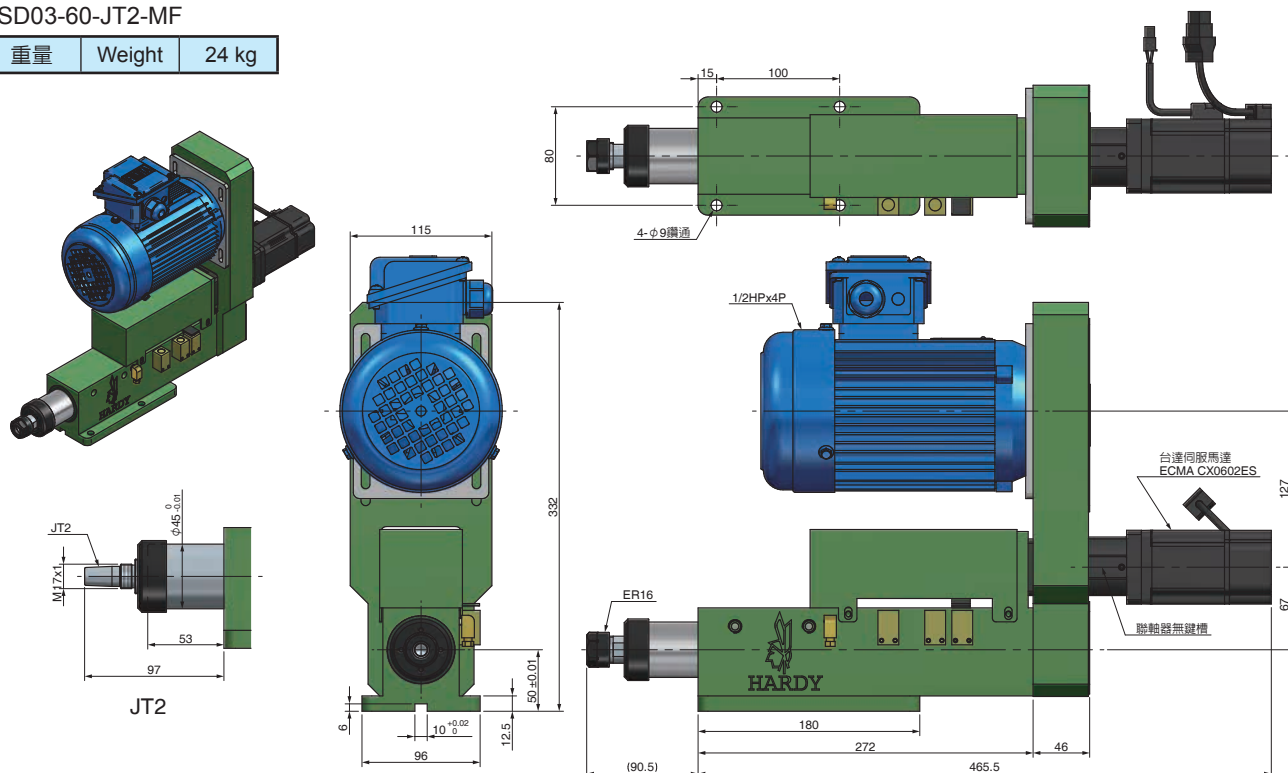
重量	Weight	kg
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5007# SSD03-60 伺服鑽孔/攻牙動力頭 Drilling/Tapping Spindle Head-Servo Type

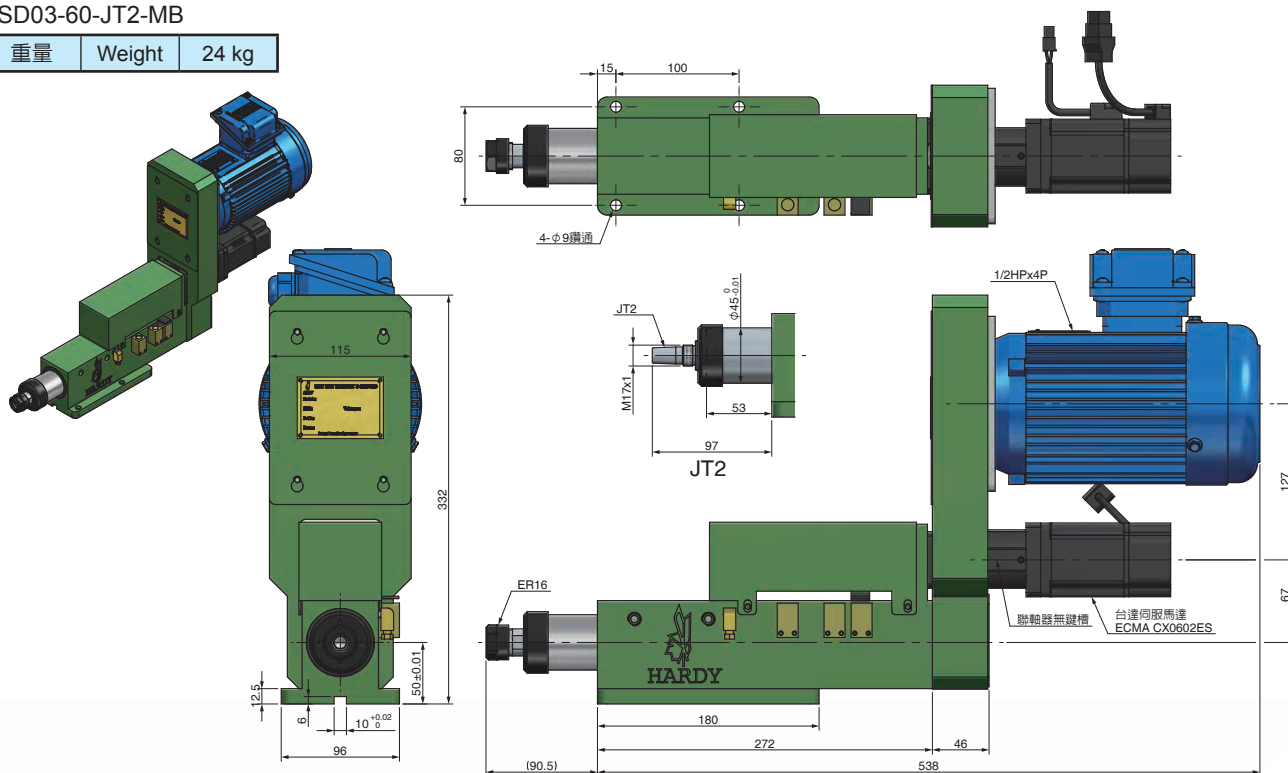
SSD03-60-ER16-MF
SSD03-60-JT2-MF

重量	Weight	24 kg
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SSD03-60-ER16-MB
SSD03-60-JT2-MB

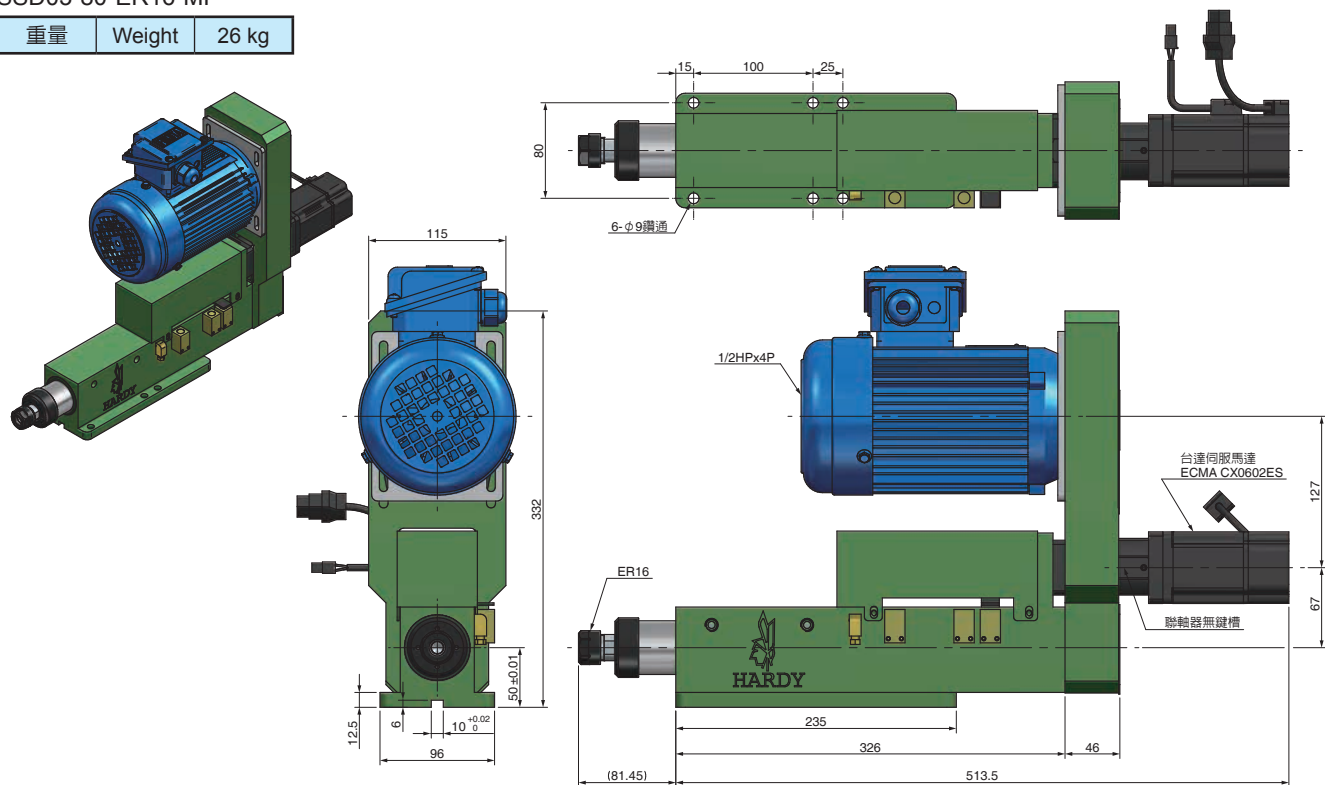
重量	Weight	24 kg
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5007# SSD03-80 伺服鑽孔/攻牙動力頭 Drilling/Tapping Spindle Head-Servo Type

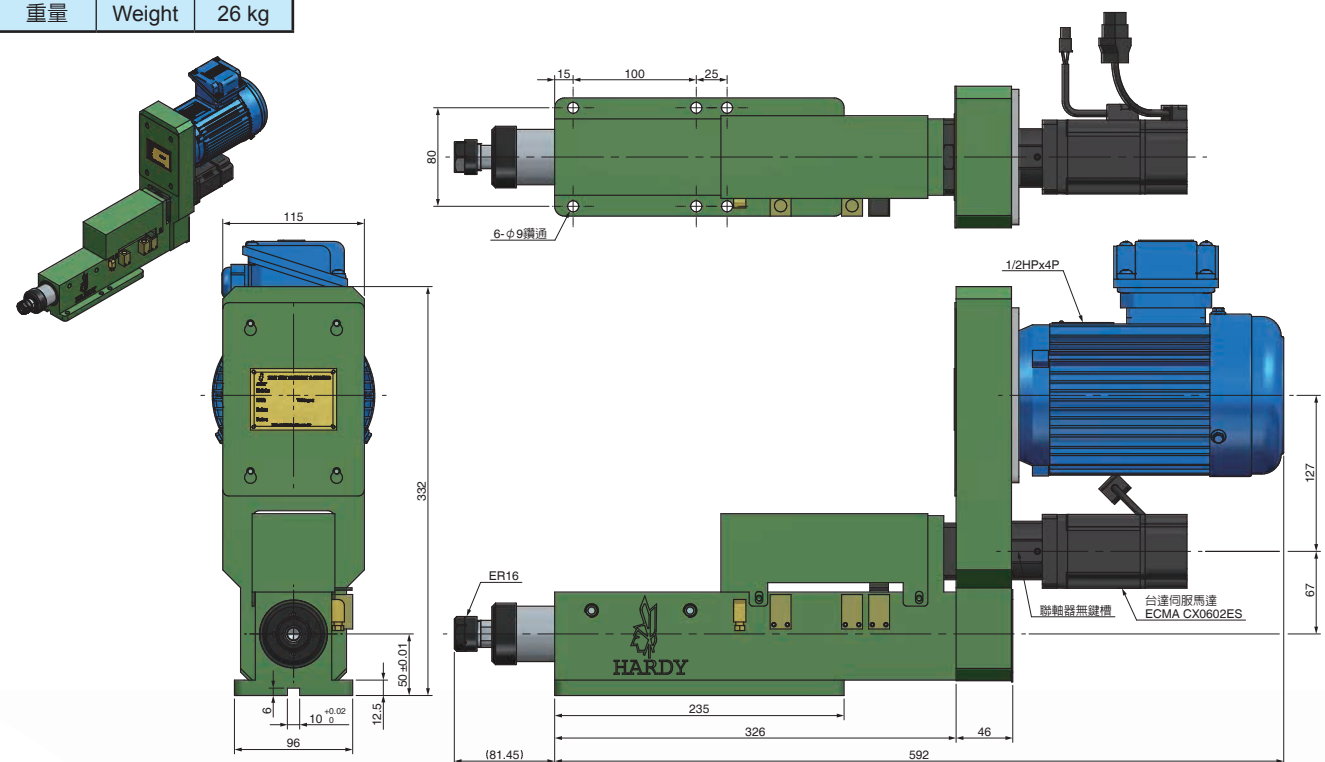
SSD03-80-ER16-MF

重量	Weight	26 kg
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SSD03-80-ER16-MB

重量	Weight	26 kg
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Drilling/Tapping Spindle Head-Servo Type

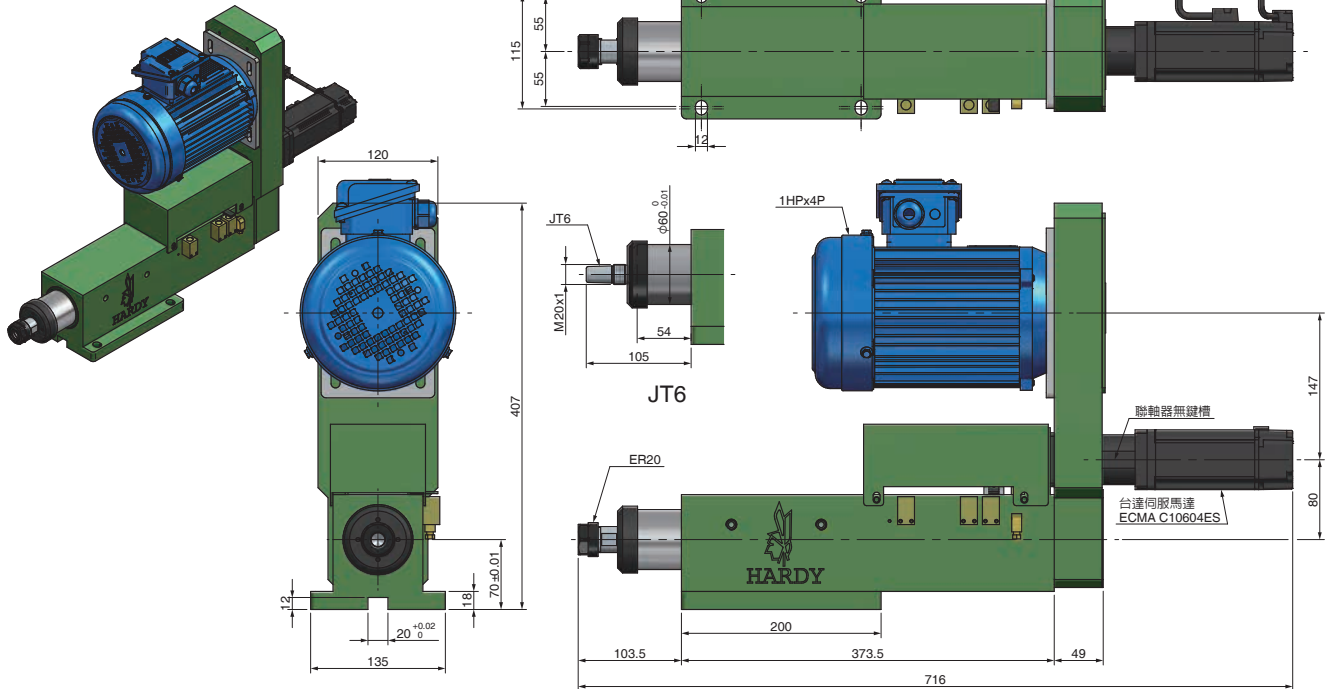
Roundness: $\leq 0.003\text{mm}$
※攻牙需搭配雙伺服馬達



5008# SSD05-85 伺服鑽孔/攻牙動力頭 Drilling/Tapping Spindle Head-Servo Type

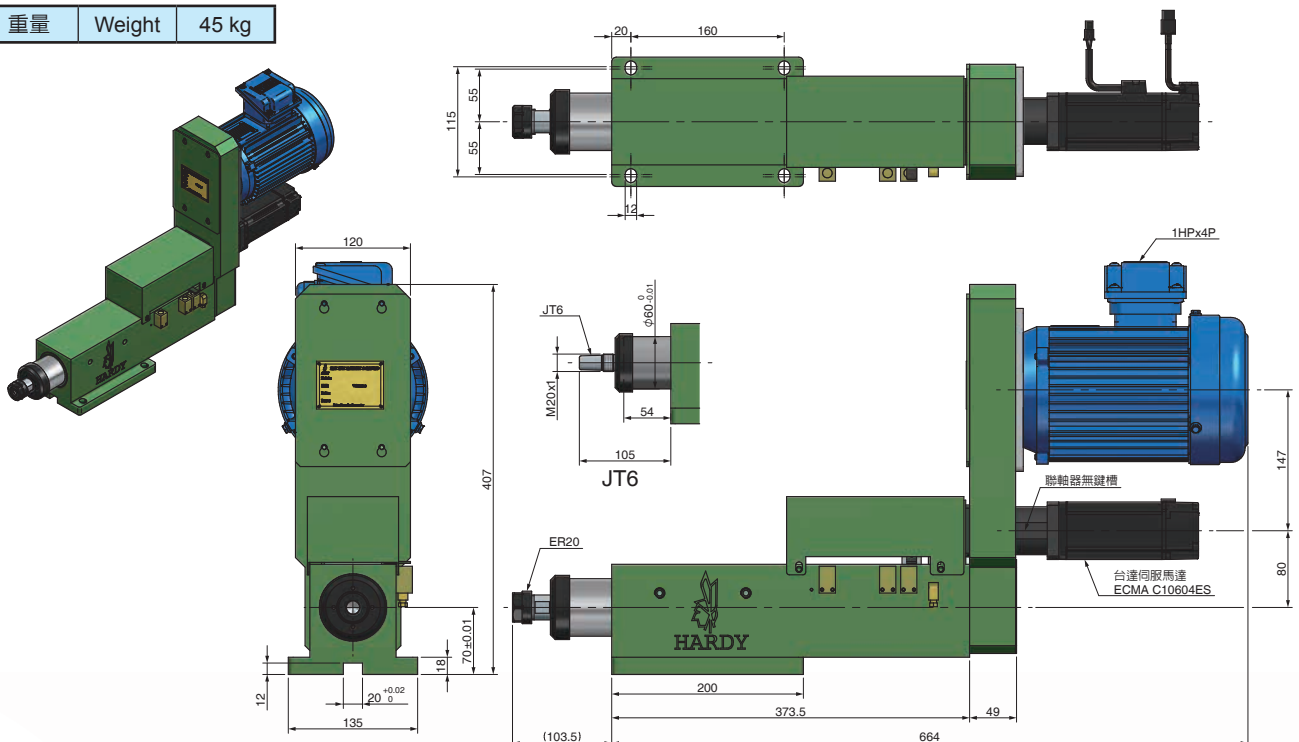
SSD05-85-ER20-MF
SSD05-85-JT6-MF

重量	Weight	45 kg
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SSD05-85-ER20-MB
SSD05-85-JT6-MB

重量	Weight	45 kg
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Drilling/Tapping Spindle Head-Servo Type (Patent No. M446677)

Roundness: $\leq 0.003\text{mm}$
※攻牙需搭配雙伺服馬達



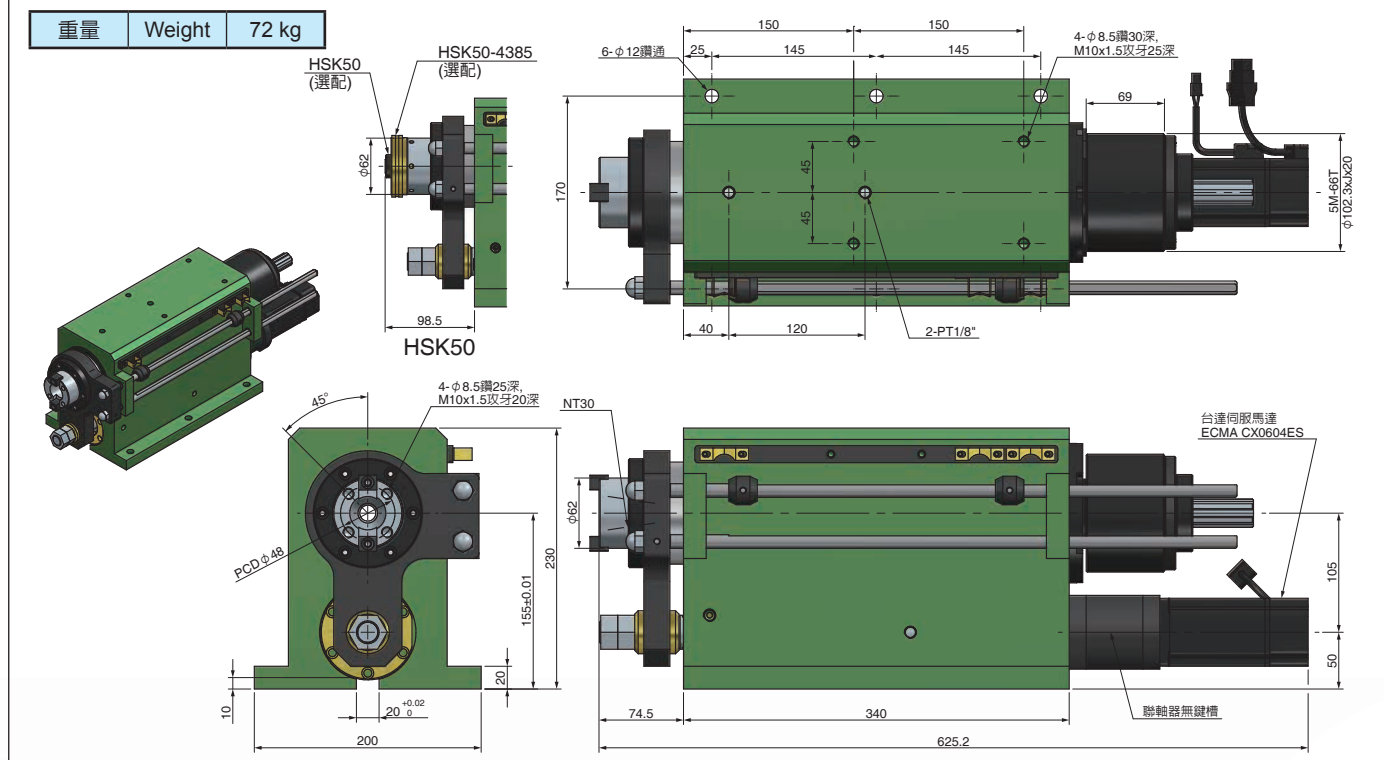
5010# SSD09-120 伺服鑽孔/攻牙動力頭(專利號碼：M446677) Drilling/Tapping Spindle Head-Servo Type (Patent No. M446677)

規格	Model	SSD09	SSD09H
鑽孔/攻牙能力	Drilling / Tapping Capacity(S45C)	$\phi 25 / M25$	
最大行程	Max. Stroke	120mm	
最高轉速	Max. RPM	3000	8000
馬力	Horsepower	2HP×4P	
主軸皮帶輪	Spindle Pulley	5M-66T×69W / $\phi 102.3 \times J \times 20$	
主軸軸承	Spindle Bearing	6007Z×1 / 6006Z×1 32007×1 / 32006×1	7007×2 7006×2
皮帶輪軸承	Pulley Bearing	6010ZZ×2	
螺桿軸承座軸承	Bearing Of Ballscrew Bearing Block	7203×2	
螺桿軸承座油封	Seal Of Ballscrew Bearing Block	TC24-38-8×1 / TC24-40-8×1	
前蓋油封	Front Cover Seal	TC90-110-12×1	
主軸油封	Spindle Seal	TC50-65-8×1	
滾珠螺桿	Ball screw	$\phi 20 \times 5 \times C5$	

Roundness: $\leq 0.003\text{mm}$
※攻牙需搭配雙伺服馬達

SSD09-NT30
SSD09-HSK50

重量	Weight	72 kg
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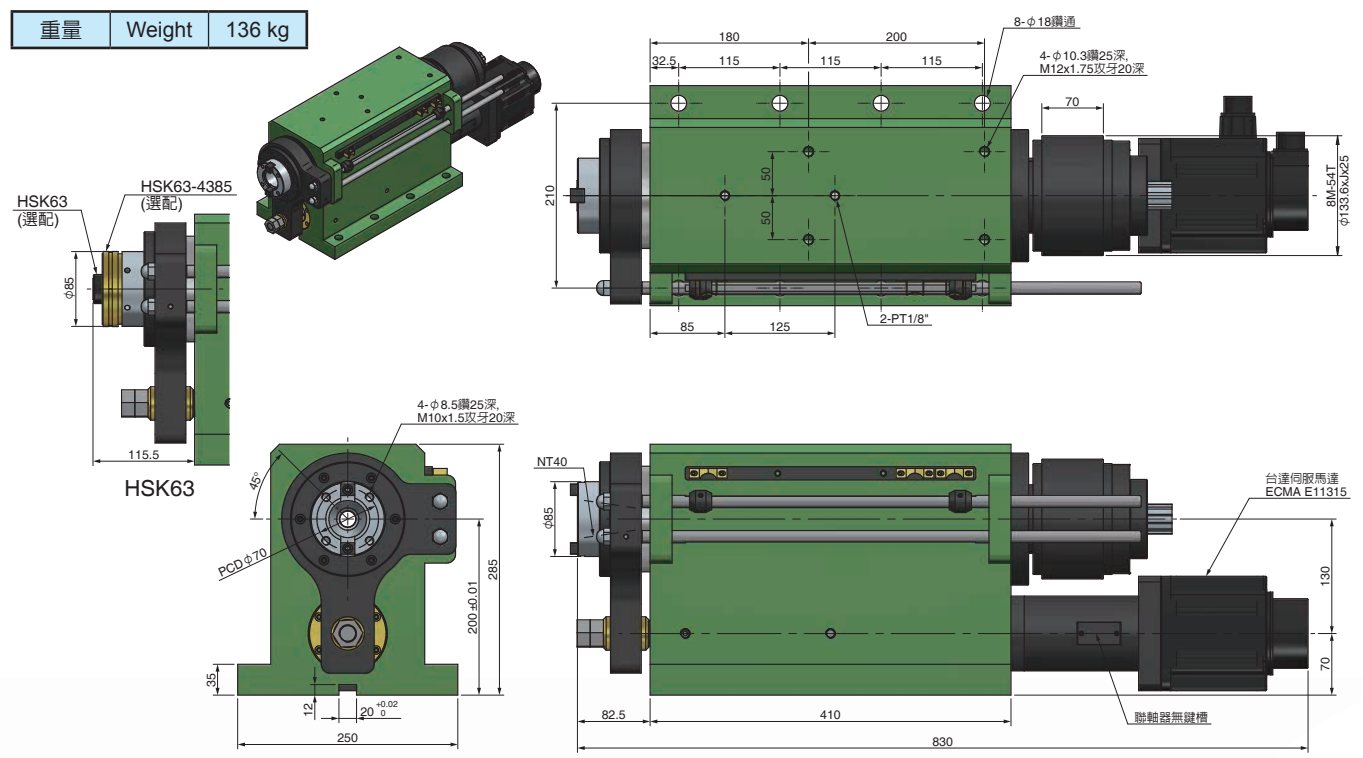
5011# SSD12-150 伺服鑽孔/攻牙動力頭 (專利號碼：M446677) Drilling/Tapping Spindle Head-Servo Type (Patent No. M446677)

規格	Model	SSD12	SSD12H
鑽孔/攻牙能力	Drilling / Tapping Capacity(S45C)	$\phi 35 / M35$	
最大行程	Max. Stroke	150mm	
最高轉速	Max. RPM	2000	6000
馬力	Horsepower	3HP×4P	
主軸皮帶輪	Spindle Pulley	8M-54T×70W / $\phi 133.6 \times J \times 25$	
主軸軸承	Spindle Bearing	6011Z×1 / 6009Z×1 32011×1 / 32009×1	7011×2 7009×2
皮帶輪軸承	Pulley Bearing	6211ZZ×2	
螺桿軸承座軸承	Bearing Of Ballscrew Bearing Block	7204×2	
螺桿軸承座油封	Seal Of Ballscrew Bearing Block	TC26-42-8×2	
前蓋油封	Front Cover Seal	TC120-145-12×1	
主軸油封	Spindle Seal	TC75-90-12×1	
滾珠螺桿	Ball screw	$\phi 25 \times 5 \times C5$	

Roundness: $\leq 0.003\text{mm}$
※攻牙需搭配雙伺服馬達

SSD12-NT40 SSD12-HSK63

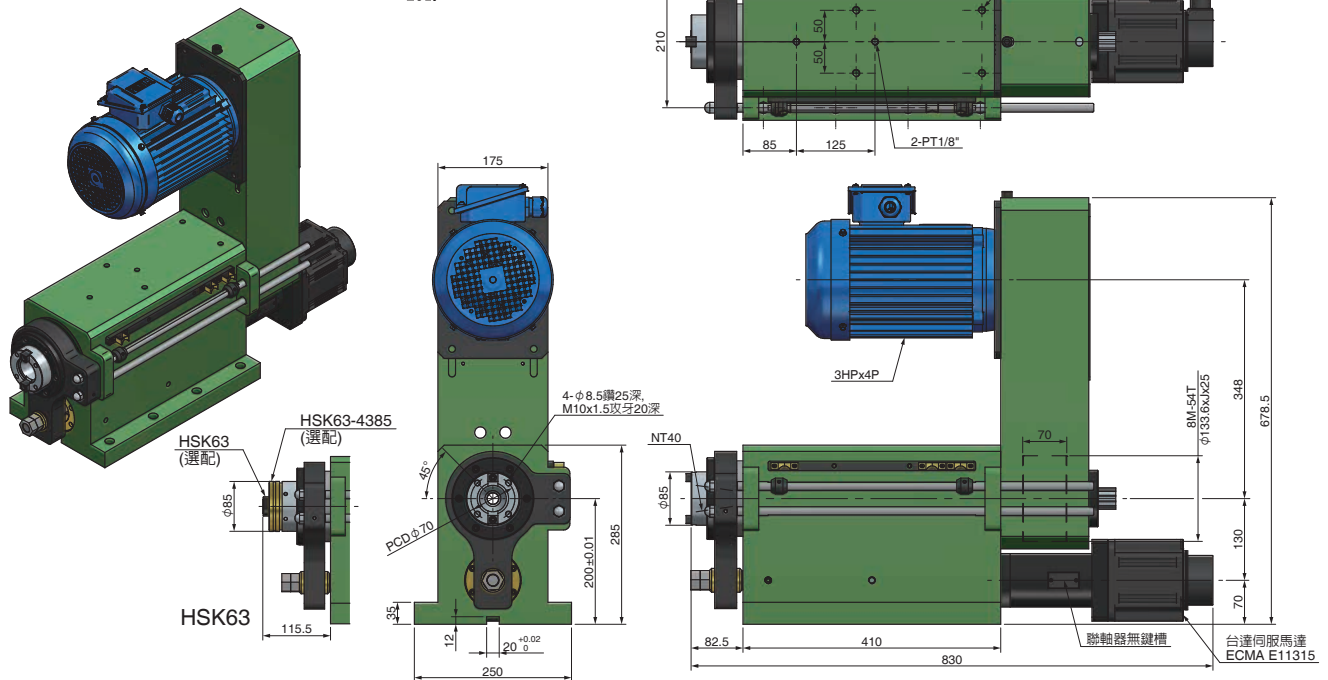
重量	Weight	136 kg
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5011# SSD12-150 伺服鑽孔/攻牙動力頭 (專利號碼：M446677) Drilling/Tapping Spindle Head-Servo Type (Patent No. M446677)

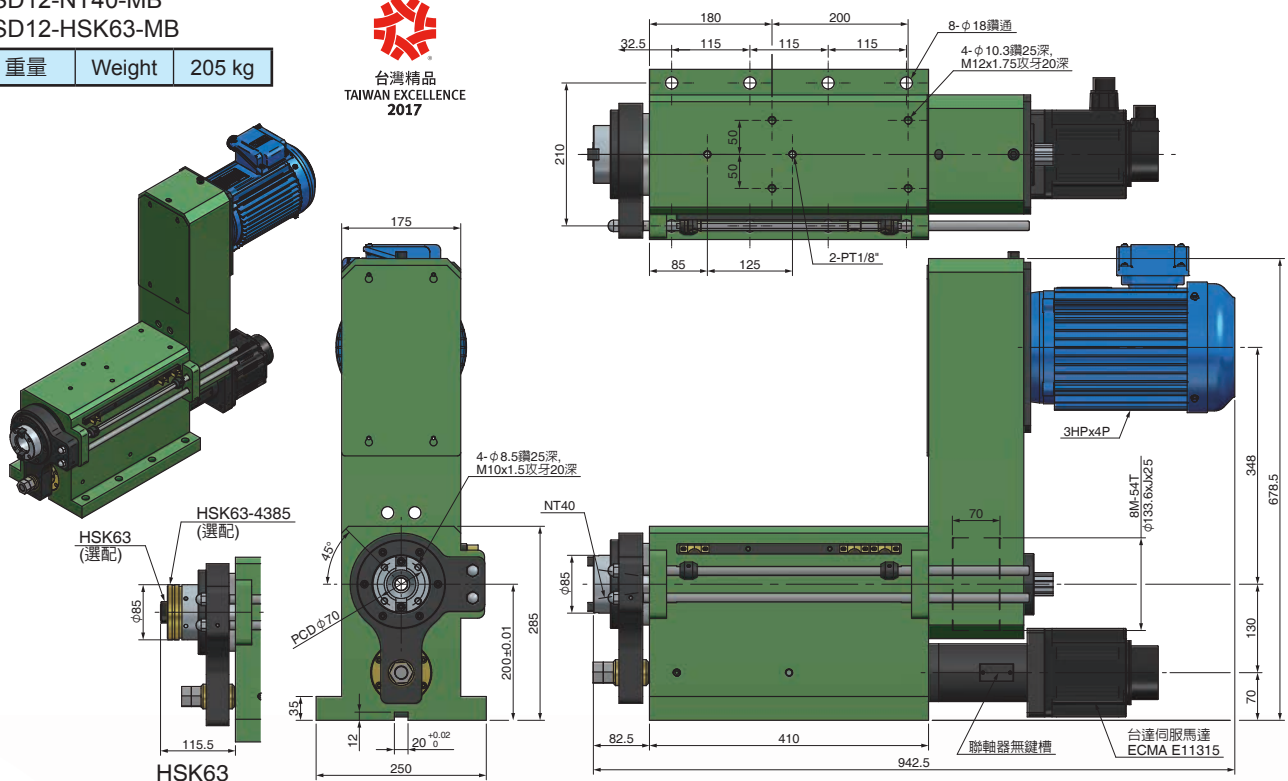
SSD12-NT40-MF
SSD12-HSK63-MF

重量	Weight	205 kg
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SSD12-NT40-MB
SSD12-HSK63-MB

重量	Weight	205 kg
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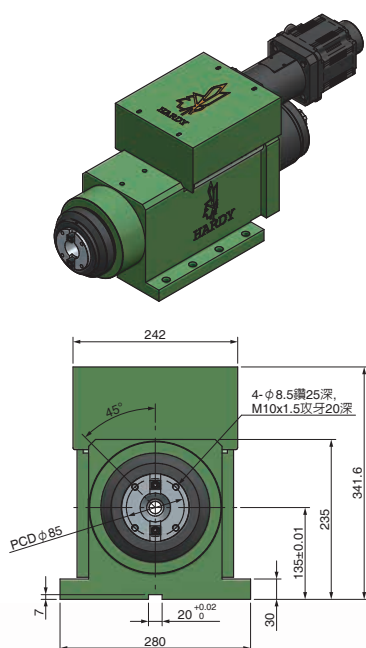
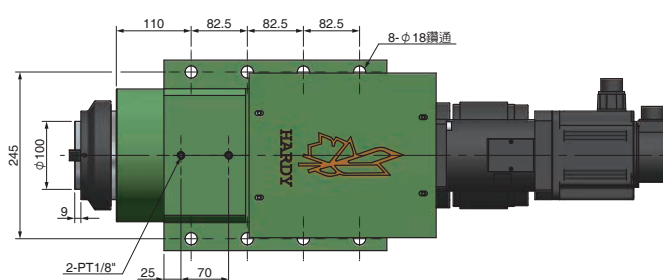
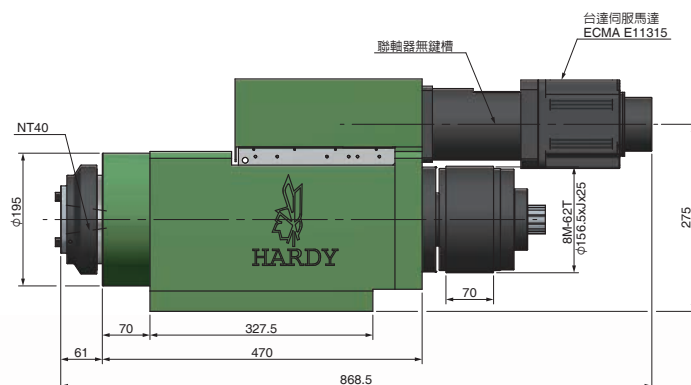
5012# SSD13-150 伺服(線軌)鑽孔/攻牙動力頭 Drilling/Tapping Spindle Head-Servo (Linear Rail) Type

規格	Model	SSD13	SSD13H
鑽孔/攻牙能力	Drilling / Tapping Capacity(S45C)	$\phi 40 / M40$	
最大行程	Max. Stroke	150mm	
最高轉速	Max. RPM	1800	5000
馬力	Horsepower	3HP×4P	
主軸皮帶輪	Spindle Pulley	8M-62T×70W / $\phi 156.5 \times J \times 25$	
主軸軸承	Spindle Bearing	6211Z×2 / 32211×2	7211×4
皮帶輪軸承	Pulley Bearing	6213ZZ×2	
螺桿軸承座軸承	Bearing Of Ballscrew Bearing Block	7205×2	
螺桿軸承座油封	Seal Of Ballscrew Bearing Block	TC30-50-10×2	
前蓋油封	Front Cover Seal	TC130x150x13×1	
主軸油封	Spindle Seal	TC85x100x12×1	
滾珠螺桿	Ball screw	$\phi 32 \times 5 \times C5$	

Roundness: $\leq 0.003\text{mm}$
※攻牙需搭配雙伺服馬達

SSD13-NT40
SSD13-HSK63

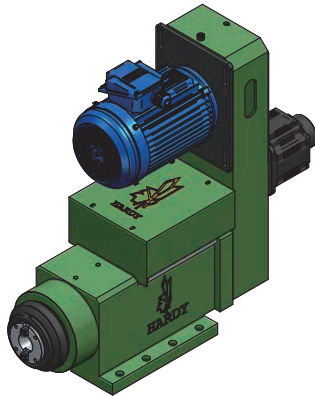
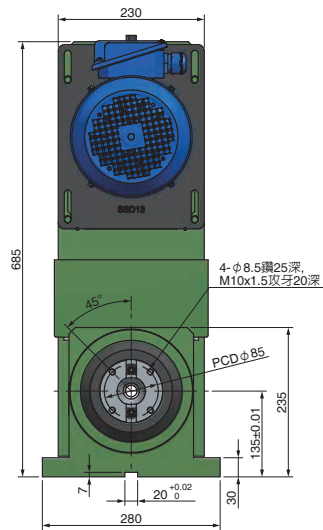
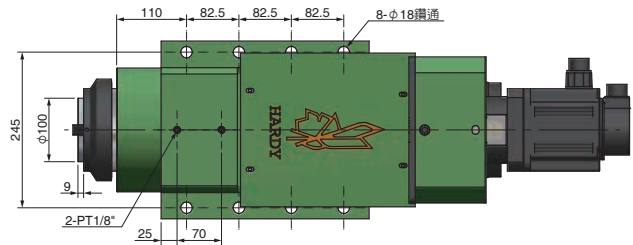
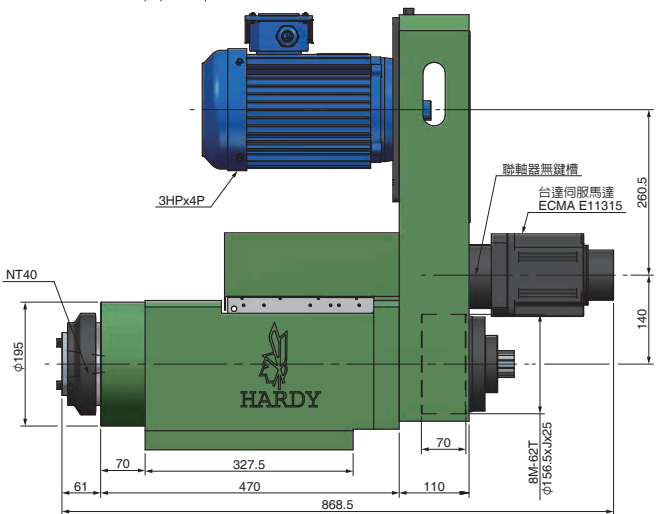
重量	Weight	kg
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5012# SSD13-150 伺服(線軌)鑽孔/攻牙動力頭 Drilling/Tapping Spindle Head-Servo (Linear Rail) Type

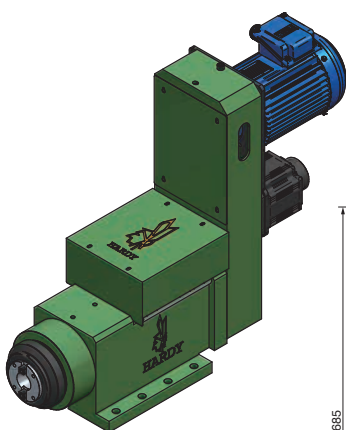
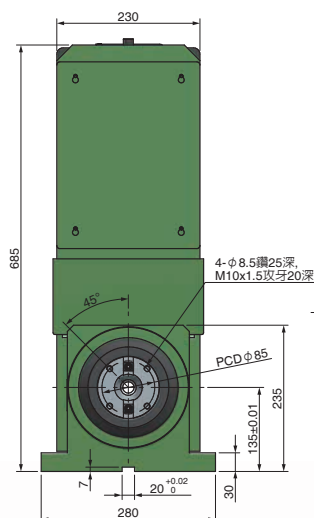
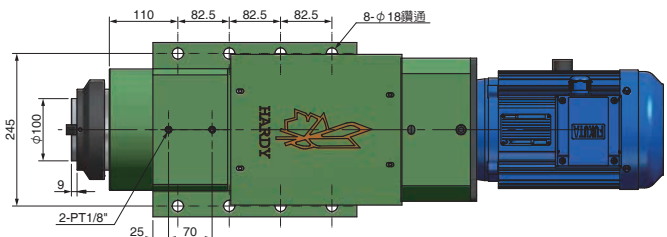
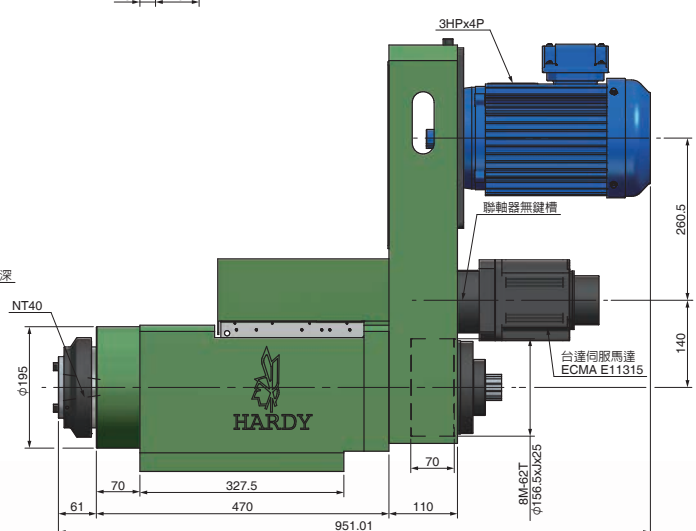
SSD13-NT40-MF
SSD13-HSK63-MF

重量	Weight	kg
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SSD13-NT40-MB
SSD13-HSK63-MB

重量	Weight	kg
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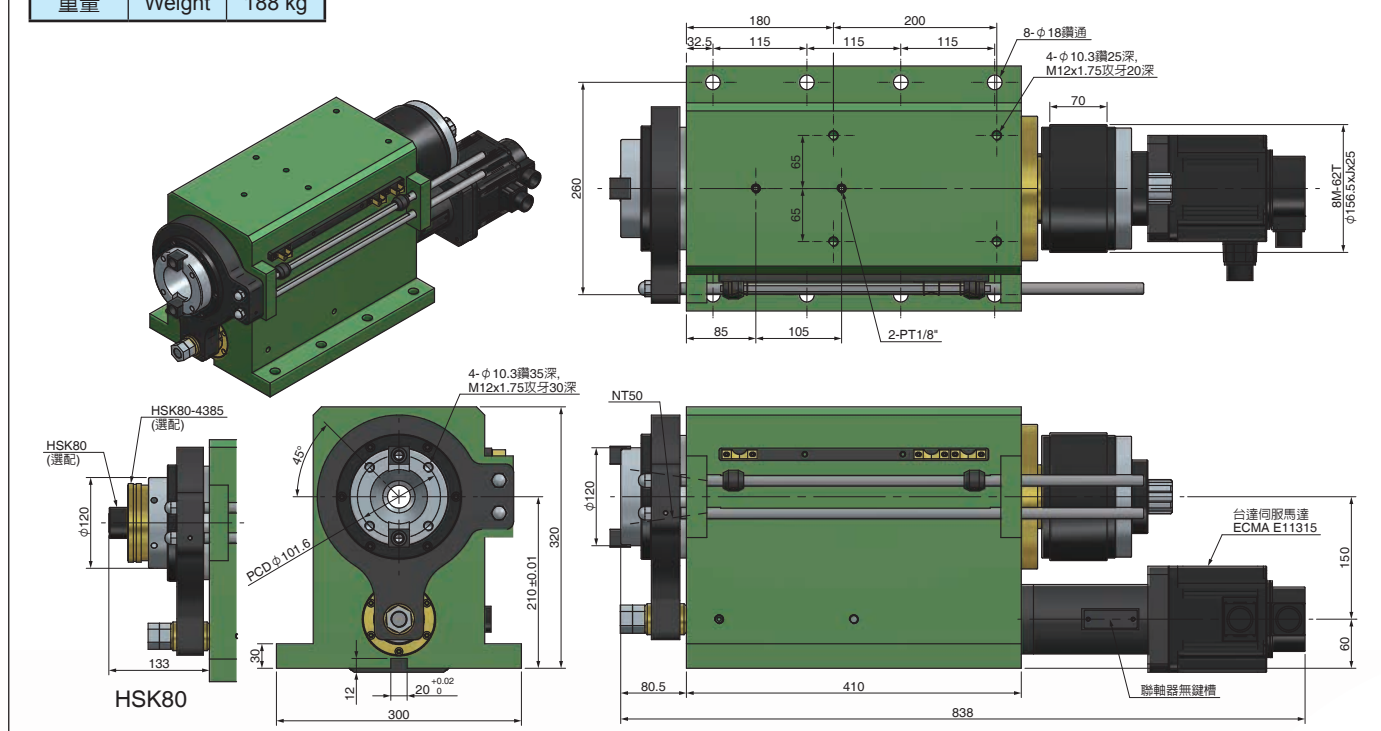
5013# SSD15-150 伺服鑽孔/攻牙動力頭(專利號碼：M446677) Drilling/Tapping Spindle Head-Servo Type (Patent No. M446677)

規格	Model	SSD15	SSD15H
鑽孔/攻牙能力	Drilling / Tapping Capacity(S45C)	$\phi 50 / M45$	
最大行程	Max. Stroke	150mm	
最高轉速	Max. RPM	1600	4000
馬力	Horsepower	5HP×4P	
主軸皮帶輪	Spindle Pulley	8M-62T×70W / $\phi 156.5 \times J \times 25$	
主軸軸承	Spindle Bearing	6014Z×1 / 6012Z×1 32014×1 / 32012×1	7014×2 7012×2
皮帶輪軸承	Pulley Bearing	6213ZZ×2	
螺桿軸承座軸承	Bearing Of Ballscrew Bearing Block	7205×2	
螺桿軸承座油封	Seal Of Ballscrew Bearing Block	TC30-50-10×2	
前蓋油封	Front Cover Seal	TC150-180-14×1	
主軸油封	Spindle Seal	TC90-110-12×1	
滾珠螺桿	Ball screw	$\phi 32 \times 5 \times C5$	

Roundness: $\leq 0.003\text{mm}$
※攻牙需搭配雙伺服馬達

SSD15-NT50 SSD15-HSK80

重量	Weight	188 kg
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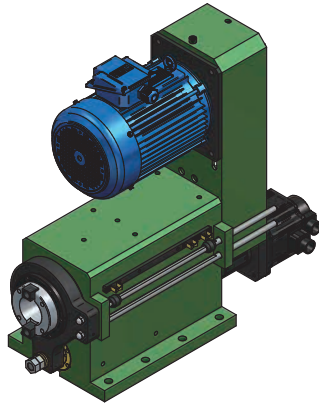
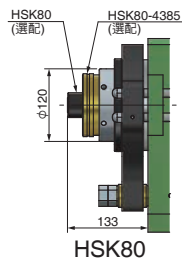
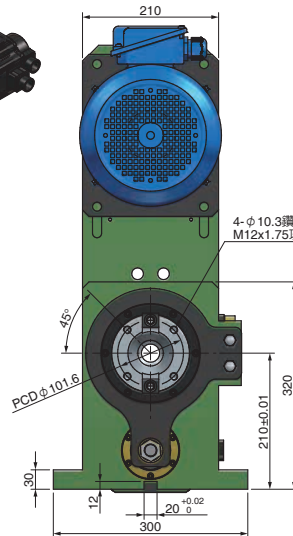
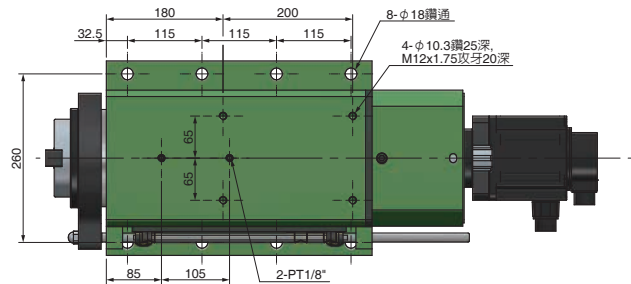
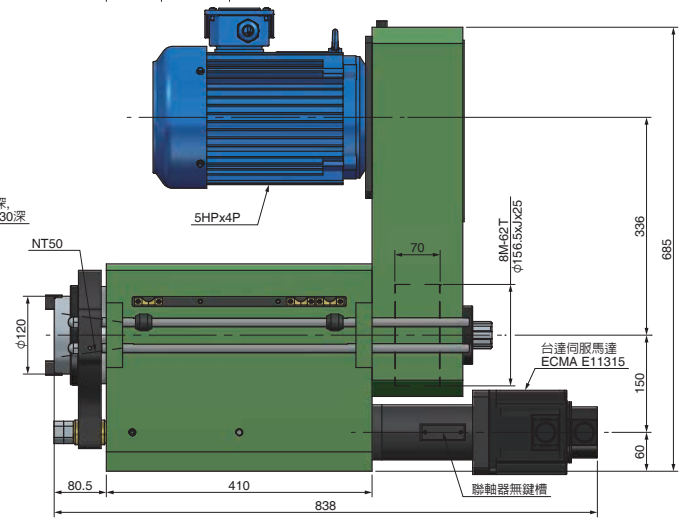


5013# SSD15-150 伺服鑽孔/攻牙動力頭(專利號碼：M446677)

Drilling/Tapping Spindle Head-Servo Type (Patent No. M446677)

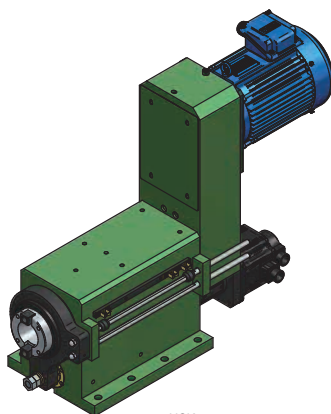
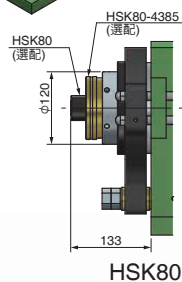
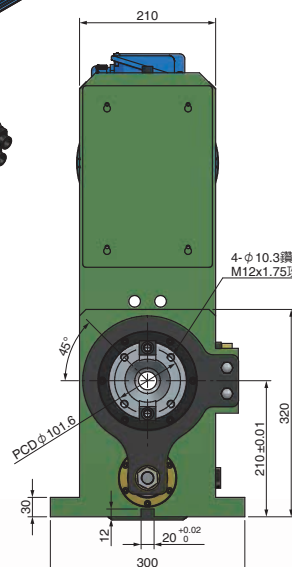
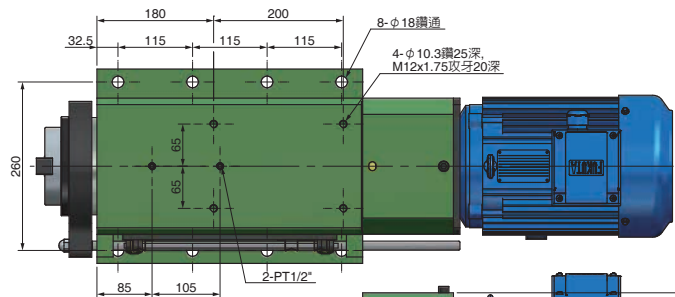
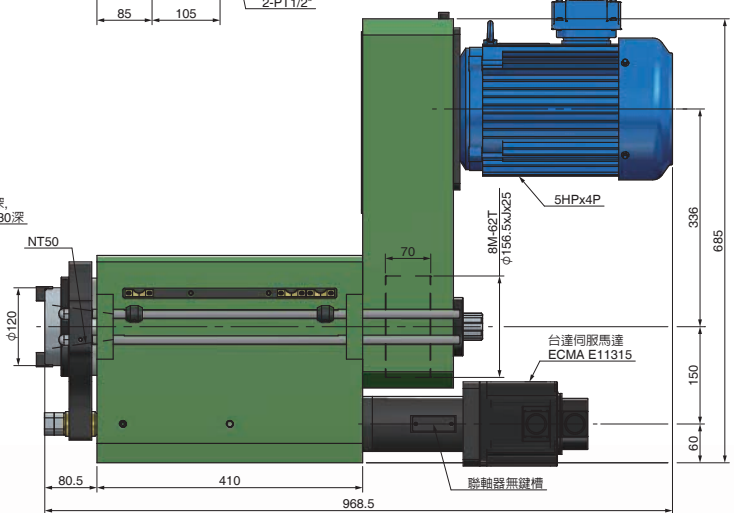
SSD15-NT50-MF
SSD15-HSK80-MF

重量	Weight	240 kg
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SSD15-NT50-MB
SSD15-HSK80-MB

重量	Weight	240 kg
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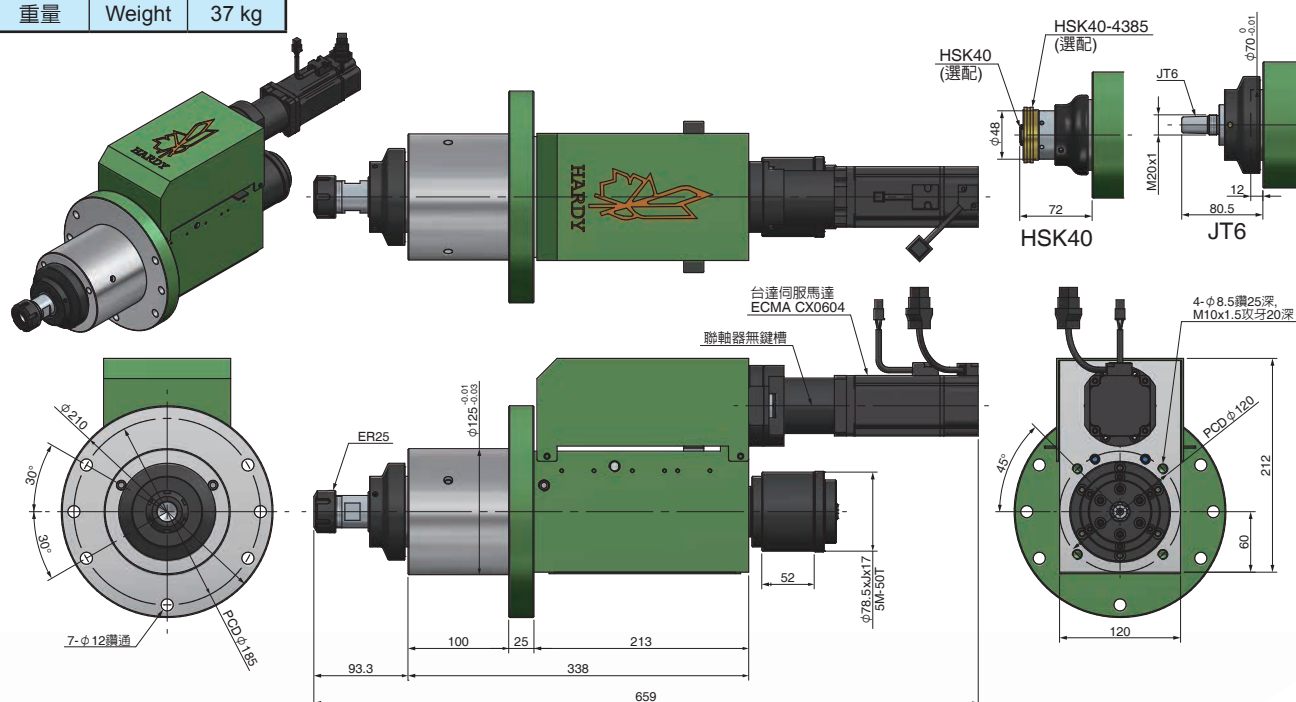
5014# SFSD06-100 水車伺服鑽孔/攻牙動力頭 Drilling/Tapping Spindle Head-Servo /Flange Type

規格	Model	SFSD06	SFSD06H
鑽孔/攻牙能力	Drilling / Tapping Capacity(S45C)	$\phi 20 / M12$	
最大行程	Max. Stroke	100mm	
最高轉速	Max. RPM	3500	10000
馬力	Horsepower	1HP×4P	
主軸皮帶輪	Spindle Pulley	5M-50T×52W / $\phi 78.5 \times J \times 15$	
主軸軸承	Spindle Bearing	6006Z×1 / 6005Z×1 32006×1 / 32005×1	7006×2 7005×2
皮帶輪軸承	Pulley Bearing	6908ZZ×2	
螺桿軸承座軸承	Bearing Of Ballscrew Bearing Block	7203×2	
螺桿軸承座油封	Seal Of Ballscrew Bearing Block	TC24-38-8×1 / TC20-40-8×1	
前蓋油封	Front Cover Seal	TC70-90-12×1	
前蓋O型環	Front Cover O-ring	G70×1 / G40(G48-HSK40)×1	
主軸油封	Spindle Seal	TC45-60-7×1	
活塞O型環	Piston O-ring	P70×2	
滾珠螺桿	Ball screw	$\phi 20 \times 5 \times C5$	

Roundness: $\leq 0.003\text{mm}$
※攻牙需搭配雙伺服馬達

SFSD06-ER25
SFSD06-HSK40
SFSD06-JT6

重量	Weight	37 kg
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Drilling/Tapping Spindle Head-Servo /Flange Type

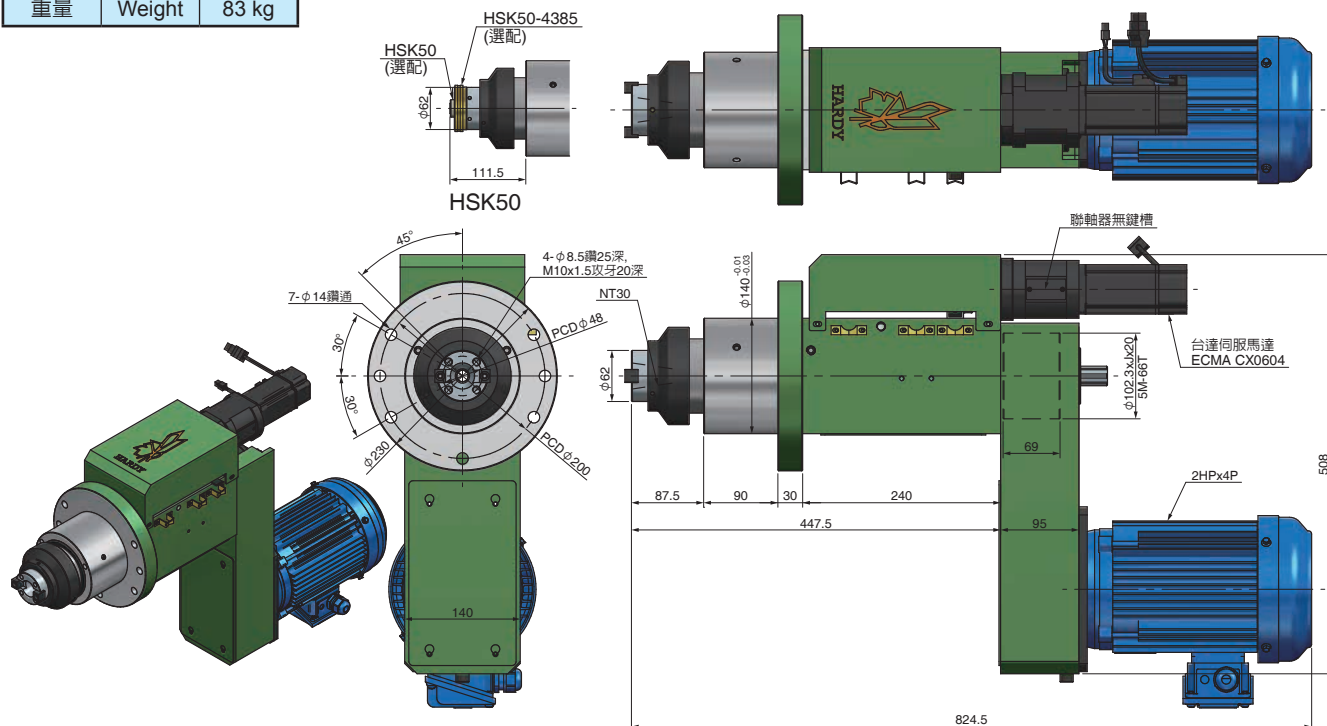
Roundness: $\leq 0.003\text{mm}$
※攻牙需搭配雙伺服馬達



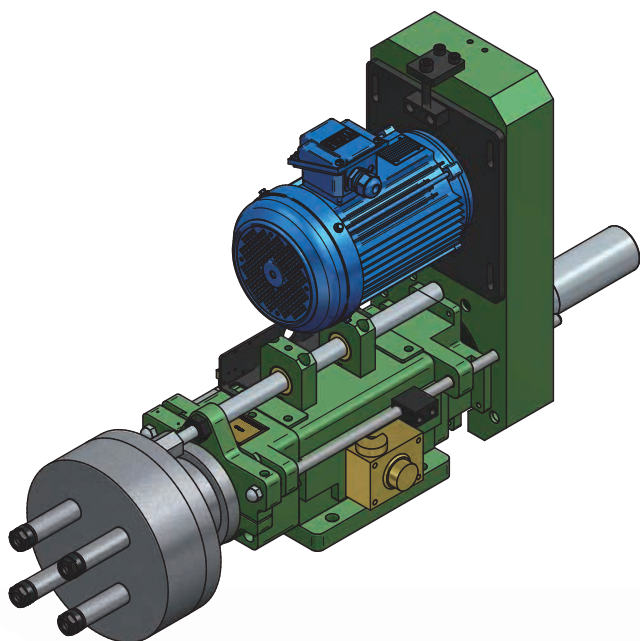
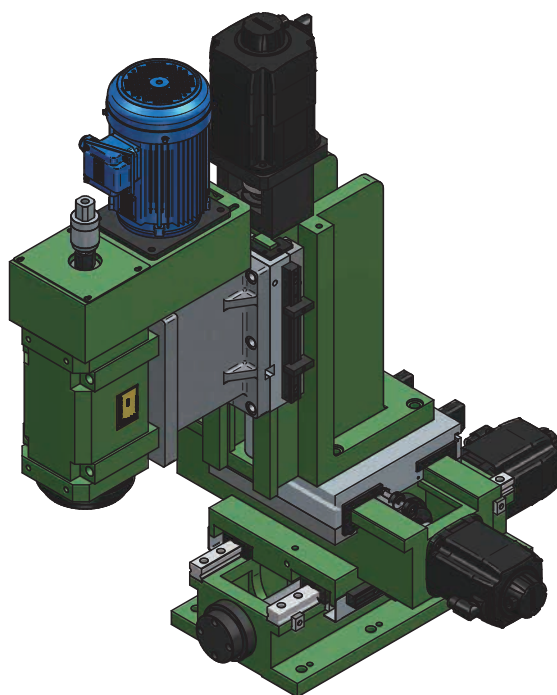
5015# SFSD09-120 水車伺服鑽孔/攻牙動力頭 Drilling/Tapping Spindle Head-Servo /Flange Type

SFSD09-NT30-MB
SFSD09-HSK50-MB

重量	Weight	83 kg
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可接受特殊規格動力頭訂製
We accept Special Spindle Unit Order



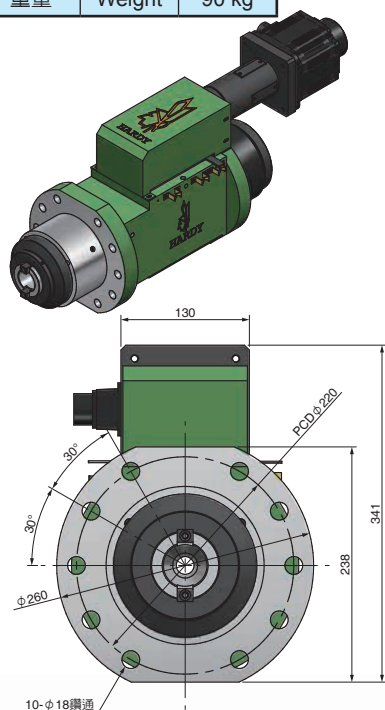
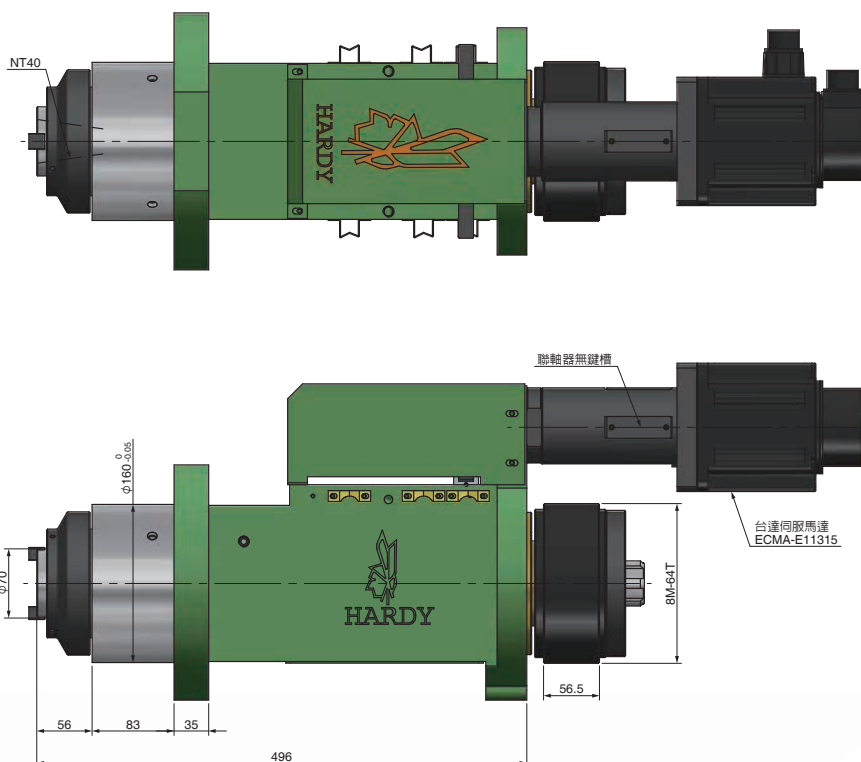
5016# SSFD11-120 水車伺服鑽孔/攻牙動力頭 Drilling/Tapping Spindle Head-Servo /Flange Type

規格	Model	SSFD11-120M-NT40	SSFD11H-120M-NT40
鑽孔/攻牙能力	Drilling / Tapping Capacity(S45C)	$\phi 35 / M35$	
最大行程	Max. Stroke	120mm	
最高轉速	Max. RPM	1800	4000
馬力	Horsepower	3HP×4P	
主軸皮帶輪	Spindle Pulley	8M-64T×56.5W	
主軸軸承	Spindle Bearing	6210ZZ×2 / 30210×2	7210×4
皮帶輪軸承	Pulley Bearing	6015ZZ×2	
螺桿軸承座軸承	Bearing Of Ballscrew Bearing Block	7203×2	
螺桿軸承座油封	Seal Of Ballscrew Bearing Block	TC24-40-8×1 / TC24-38-8×1	
前蓋油封	Front Cover Seal	TC110-130-13×1	
前蓋O型環	Front Cover O-ring	G85×1 / G110×1	
主軸油封	Spindle Seal	TC70-90-12×1	
活塞O型環	Piston O-ring	P110×2	
滾珠螺桿	Ball Screw	$\phi 25 \times 5 \times C5$	

Roundness: $\leq 0.003\text{mm}$
※攻牙需搭配雙伺服馬達

SSFD11-NT40

重量	Weight	90 kg
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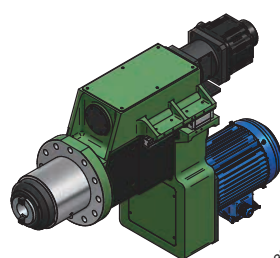
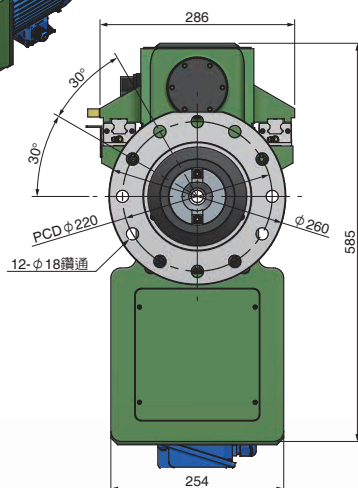
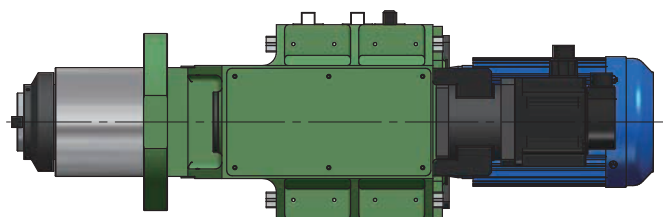
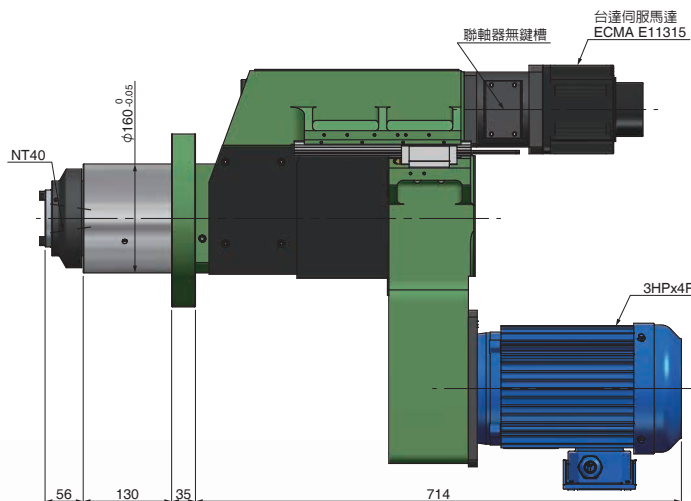
5017# SSFDL11-120MK 水車伺服鑽孔/攻牙動力頭 (強力型) Drilling Tapping Spindle (Linear Rail) / Flange Type

規格	Model	SSFDL11-120MK-NT40	SSFDL11H-120MK-NT40
鑽孔/攻牙能力	Drilling / Tapping Capacity(S45C)	$\phi 35 / M35$	
最大行程	Max. Stroke	120mm	
最高轉速	Max. RPM	1800	4000
馬力	Horsepower	3HP×4P	
主軸皮帶輪	Spindle Pulley	8M-50T×62W	
主軸軸承	Spindle Bearing	6210Z×2 / 30210×2	7210×4
螺桿軸承座軸承	Bearing Of Ballscrew Bearing Block	7205×2	
螺桿軸承座油封	Seal Of Ballscrew Bearing Block	TC32-48-8×1	
前蓋油封	Front Cover Seal	TC110-130-13×1	
前蓋O型環	Front Cover O-ring	G85×1 / G110×1	
主軸油封	Spindle Seal	TC75-90-12×1	
活塞O型環	Piston O-ring	P110×2	
滾珠螺桿	Ball Screw	$\phi 32 \times 5 \times C5$	

Roundness: $\leq 0.003\text{mm}$
※攻牙需搭配雙伺服馬達

SSFDL11-120MK-NT40

重量	Weight	kg
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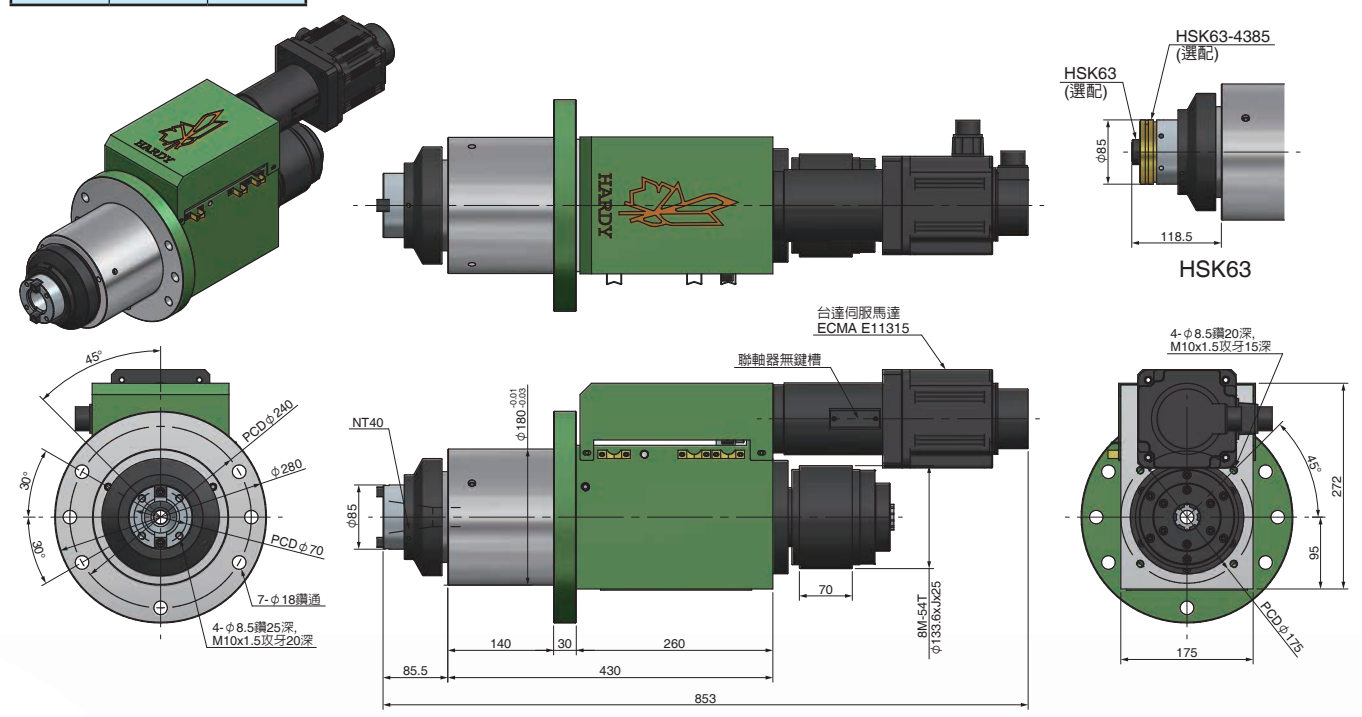
5018# SFSD12-150 水車伺服鑽孔/攻牙動力頭 Drilling/Tapping Spindle Head-Servo /Flange Type

規格	Model	SFSD12	SFSD12H
鑽孔/攻牙能力	Drilling / Tapping Capacity(S45C)	$\phi 35 / M35$	
最大行程	Max. Stroke	150mm	
最高轉速	Max. RPM	2000	6000
馬力	Horsepower	3HP×4P	
主軸皮帶輪	Spindle Pulley	8M-54T×70W / $\phi 133.6 \times J \times 25$	
主軸軸承	Spindle Bearing	6011Z×1 / 6009Z×1 32011×1 / 32009×1	7011×2 7009×2
皮帶輪軸承	Pulley Bearing	6211ZZ×2	
螺桿軸承座軸承	Bearing Of Ballscrew Bearing Block	7204×2	
螺桿軸承座油封	Seal Of Ballscrew Bearing Block	TC26-42-8×1 / TC24-42-8×1	
前蓋油封	Front Cover Seal	TC120-145-12×1	
前蓋O型環	Front Cover O-ring	G120×1 / G85×1	
主軸油封	Spindle Seal	TC75-90-12×1	
活塞O型環	Piston O-ring	P120×2	
滾珠螺桿	Ball Screw	$\phi 25 \times 5 \times C5$	

Roundness: $\leq 0.003\text{mm}$
※攻牙需搭配雙伺服馬達

SFSD12-NT40
SFSD12-HSK63

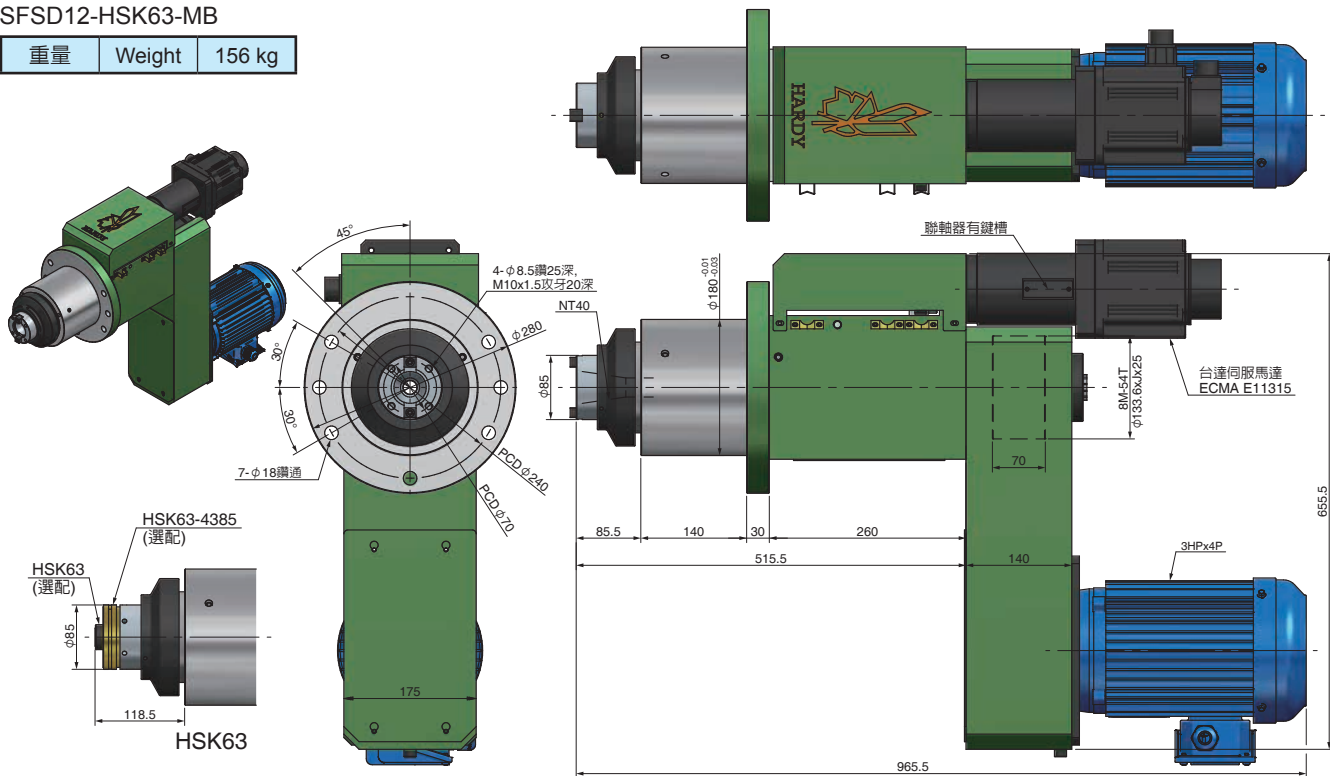
重量	Weight	106 kg
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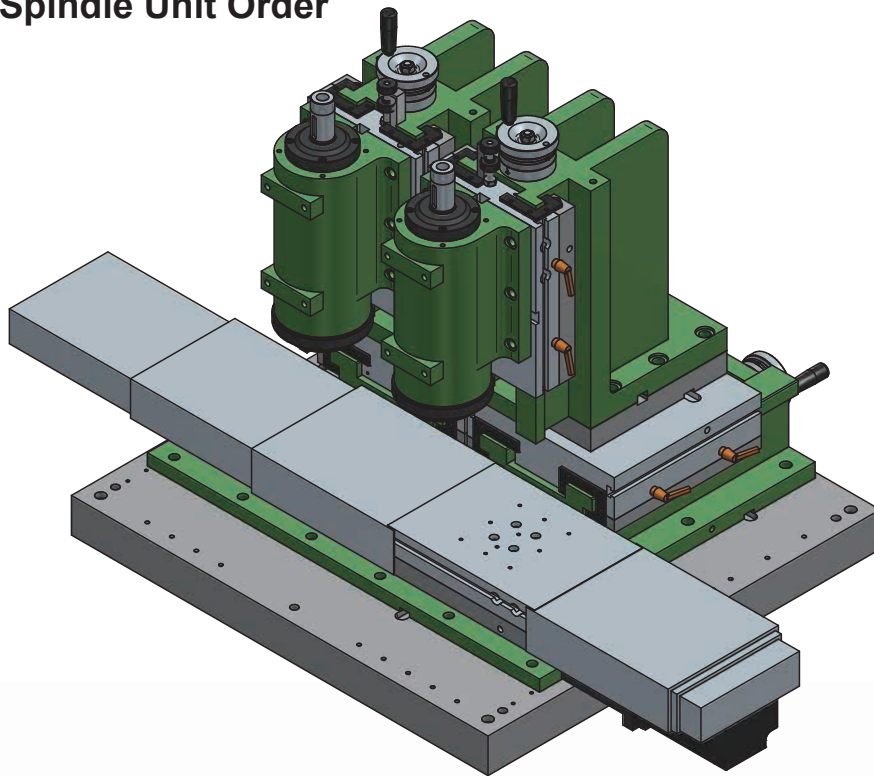
水車伺服鑽孔/攻牙動力頭 Drilling/Tapping Spindle Head-Servo /Flange Type

SFSD12-NT40-MB
SFSD12-HSK63-MB

重量	Weight	156 kg
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可接受特殊規格動力頭訂製
We accept Special Spindle Unit Order



5019# SFSDL15-150 水車伺服鑽孔/攻牙動力頭(專利號碼：M581516)

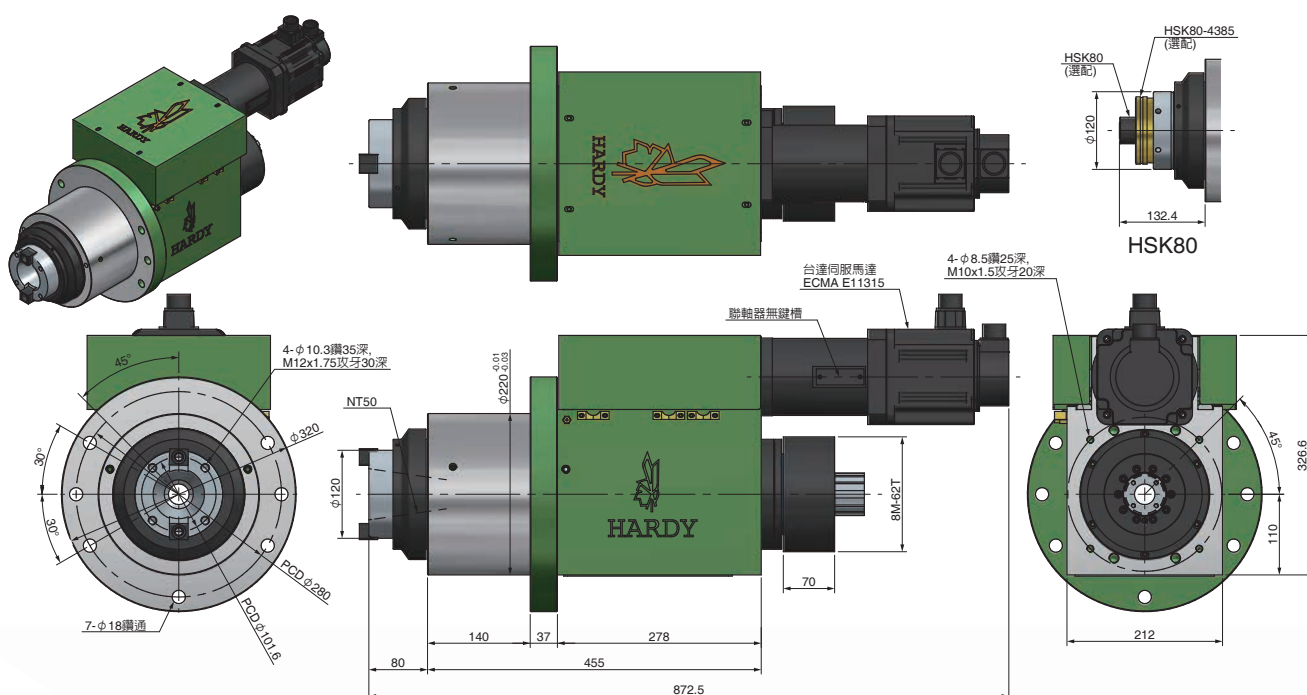
Drilling/Tapping Spindle Head-Servo /Flange Type (Patent No. M581516)

規格	Model	SFSDL15	SFSDL15H
鑽孔/攻牙能力	Drilling / Tapping Capacity(S45C)	$\phi 50 / M45$	
最大行程	Max. Stroke	150mm	
最高轉速	Max. RPM	1600	4000
馬力	Horsepower	5HP×4P	
主軸皮帶輪	Spindle Pulley	8M-62T×70W	
主軸軸承	Spindle Bearing	6014Z×1 / 6012Z×1 32014×1 / 32012×1	7014×2 7012×2
皮帶輪軸承	Pulley Bearing	6017ZZ×2	
螺桿軸承座軸承	Bearing Of Ballscrew Bearing Block	7205×2	
螺桿軸承座油封	Seal Of Ballscrew Bearing Block	TC30-50-10×2	
前蓋油封	Front Cover Seal	TC150-180-14×1	
前蓋O型環	Front Cover O-ring	G120×1 / G150×1	
主軸油封	Spindle Seal	TC90-110-12×1	
活塞O型環	Piston O-ring	P150×2	
滾珠螺桿	Ball Screw	$\phi 32 \times 5 \times C5$	

Roundness: $\leq 0.003\text{mm}$
※攻牙需搭配雙伺服馬達

SFSDL15-NT50
SFSDL15-HSK80

重量	Weight	151 kg
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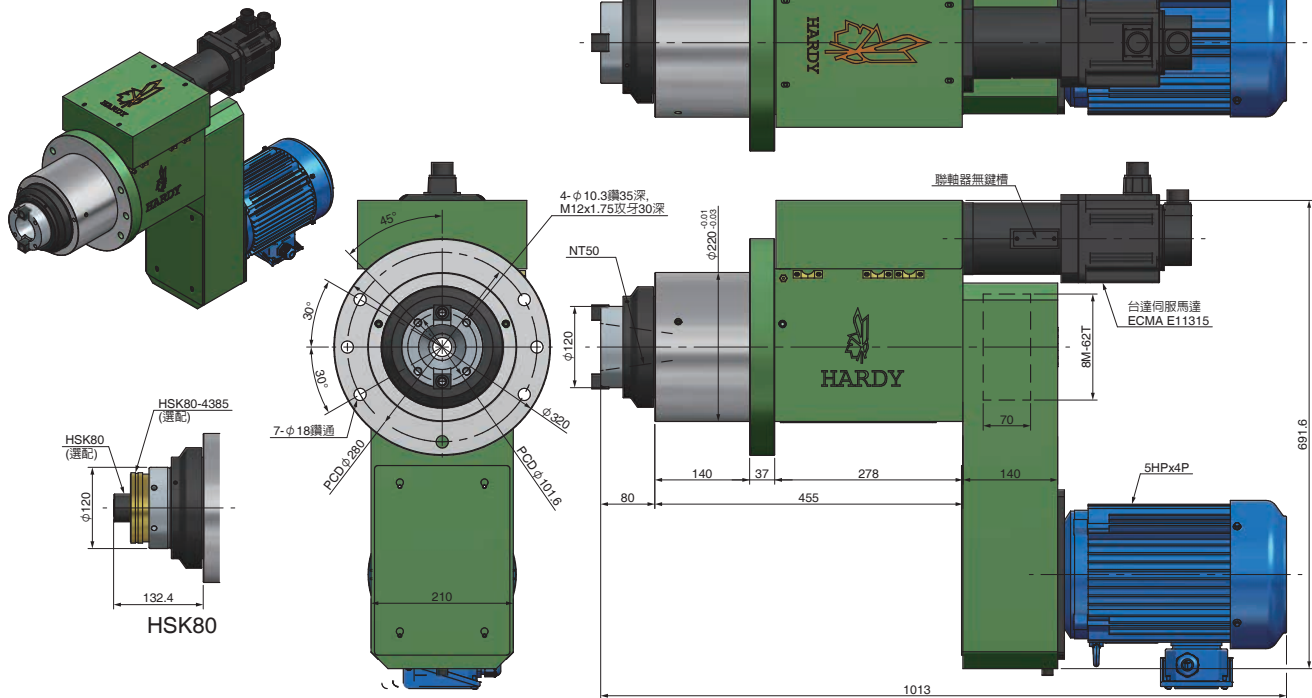


水車伺服鑽孔/攻牙動力頭(專利號碼：M581516)

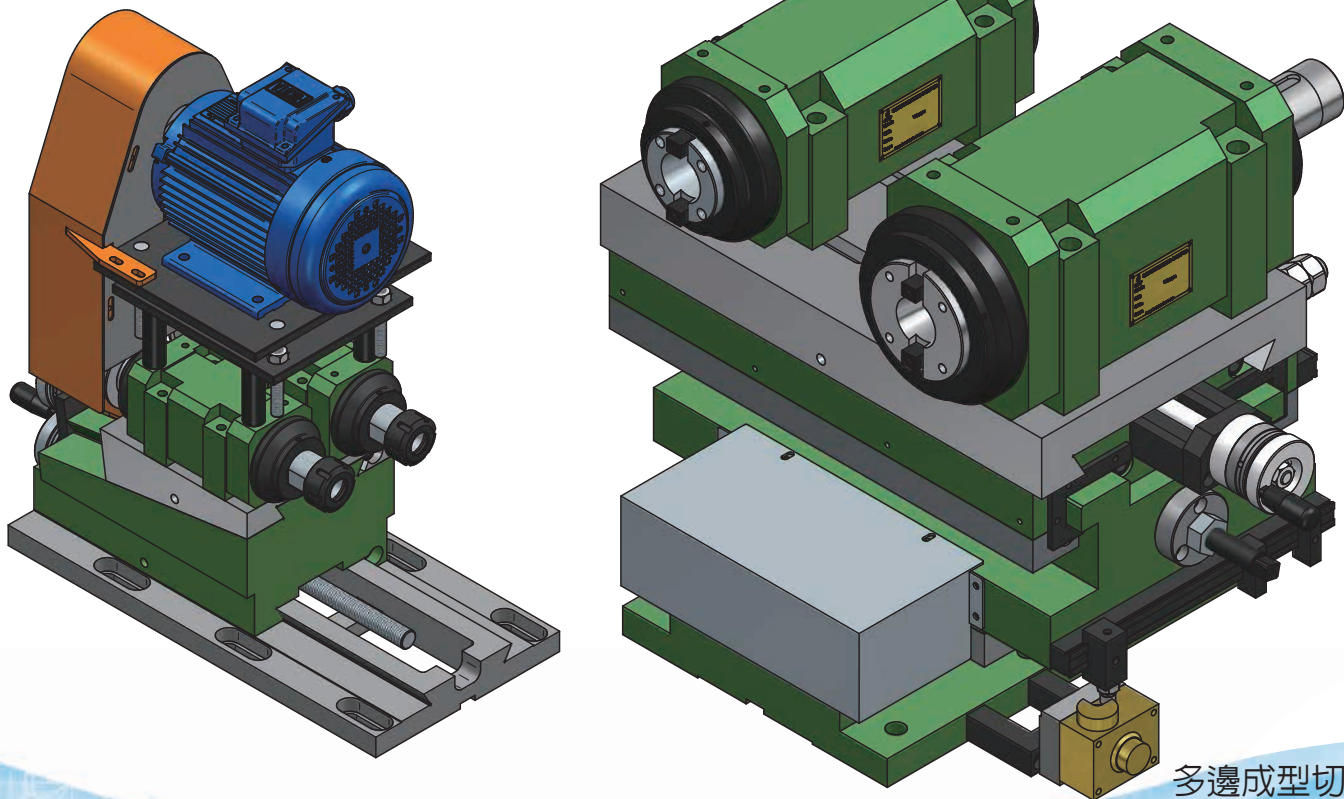
M581516)

SFSDL15-HSK80-MB

重量	Weight	203 kg
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We accept Special Spindle Unit Order



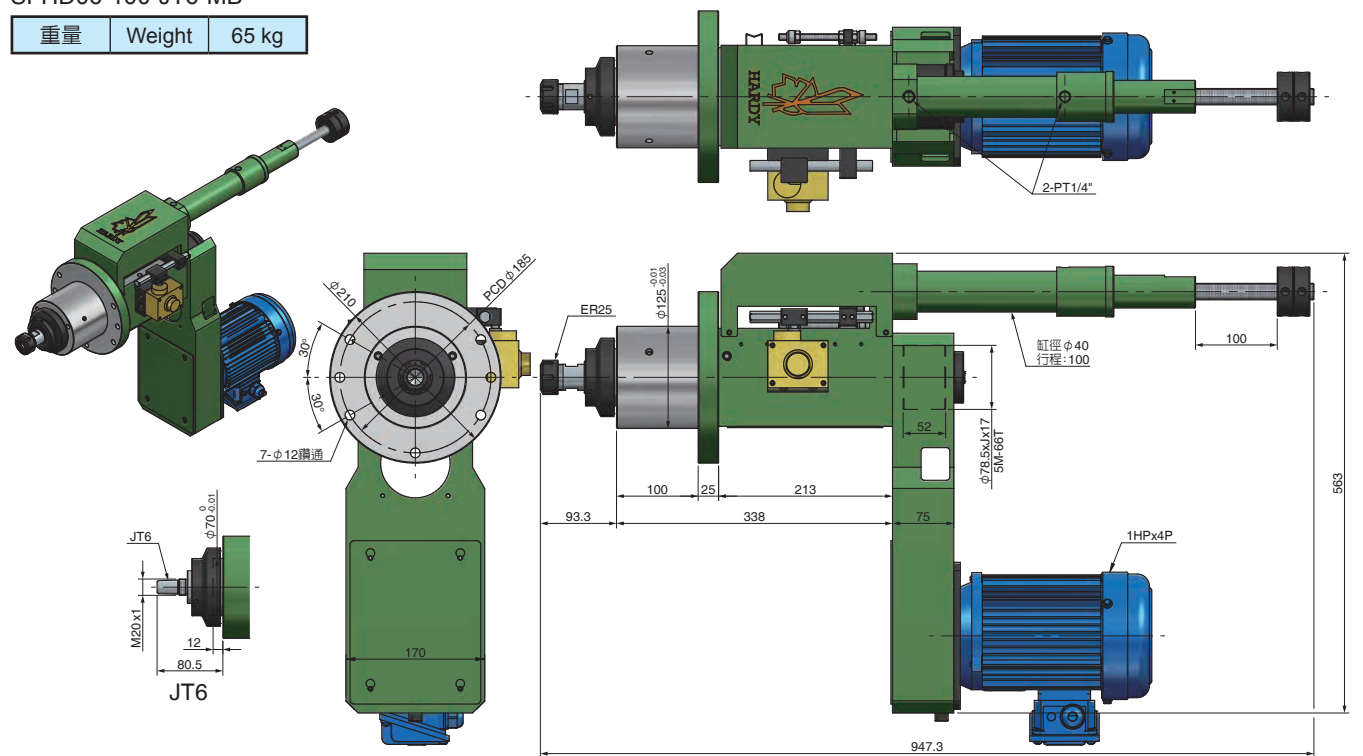
多邊成型切角機

5020# SFHD06-100 水車油壓鑽孔動力頭 Drilling Spindle Head-Hydraulic /Flange Type

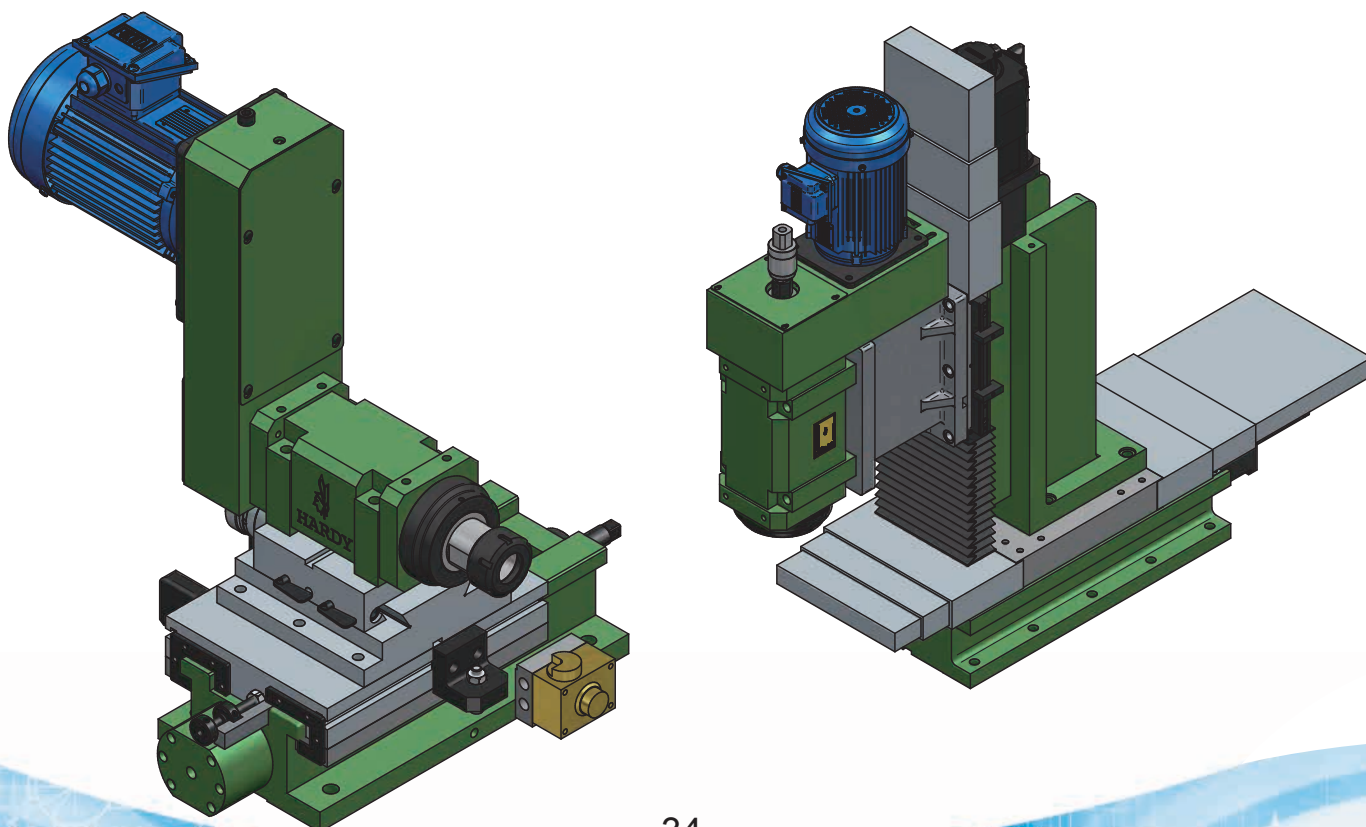
SFHD06-100-ER25-MB

SFHD06-100-JT6-MB

重量	Weight	65 kg
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可接受特殊規格動力頭訂製
We accept Special Spindle Unit Order



5021# SFHD09-120 水車油壓鑽孔動力頭

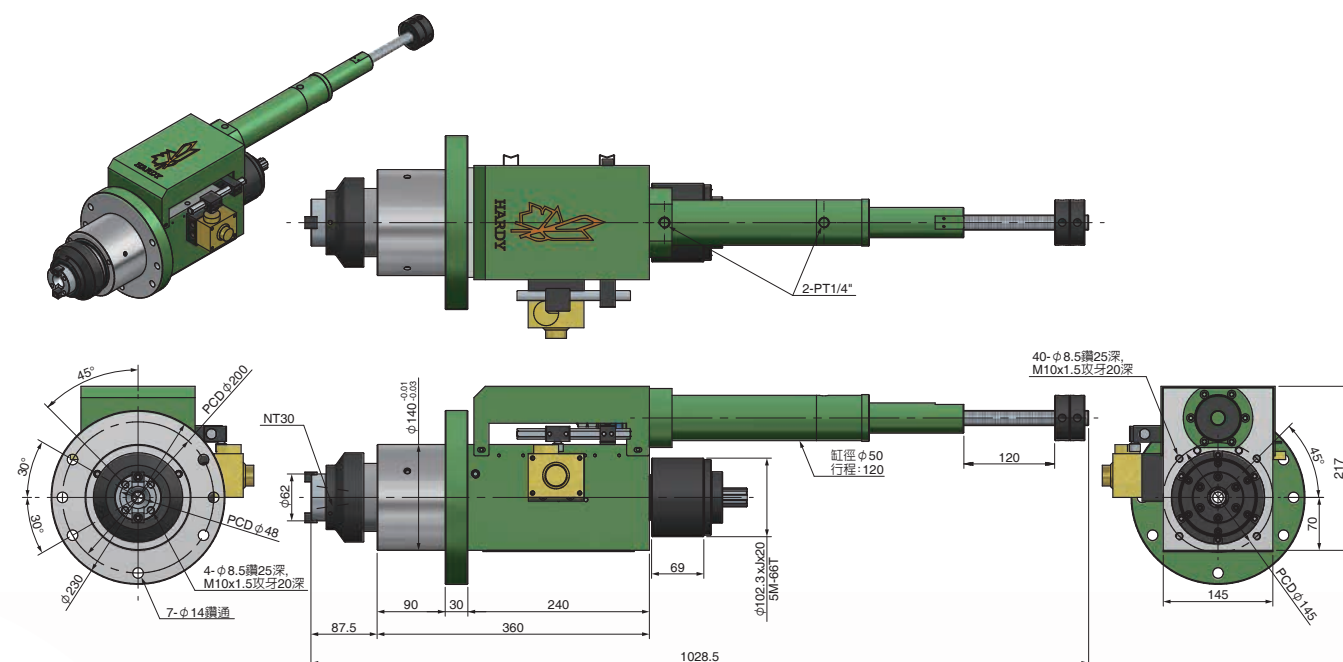
Drilling Spindle Head-Hydraulic /Flange Type

規格	Model	SFHD09	SFHD09H
鑽孔能力	Drilling Capacity(S45C)	φ 25	
最大行程	Max. Stroke	120mm	
最高轉速	Max. RPM	3000	8000
馬力	Horsepower	2HP×4P	
主軸皮帶輪	Spindle Pulley	5M-66T×69W / φ 102.3×J×20	
主軸軸承	Spindle Bearing	6007Z×1 / 6006Z×1 32007×1 / 32006×1	7007×2 7006×2
皮帶輪軸承	Pulley Bearing	6010ZZ×2	
前蓋油封	Front Cover Seal	TC90-100-12×1	
主軸油封	Spindle Seal	TC50-65-8×1	
活塞O型環	Piston O-ring	P90×2	
防水蓋O型環	Front Cover O-ring	G62×1 / G90×1	
推進壓力	Propel Pressure	油壓(H)30~40kg/cm ²	
油缸面積	Cylinder Diameter	14.7cm ² (缸徑 φ 50 ; 心軸 φ 25)	

Roundness: ≤ 0.003mm

SFHD09-NT30

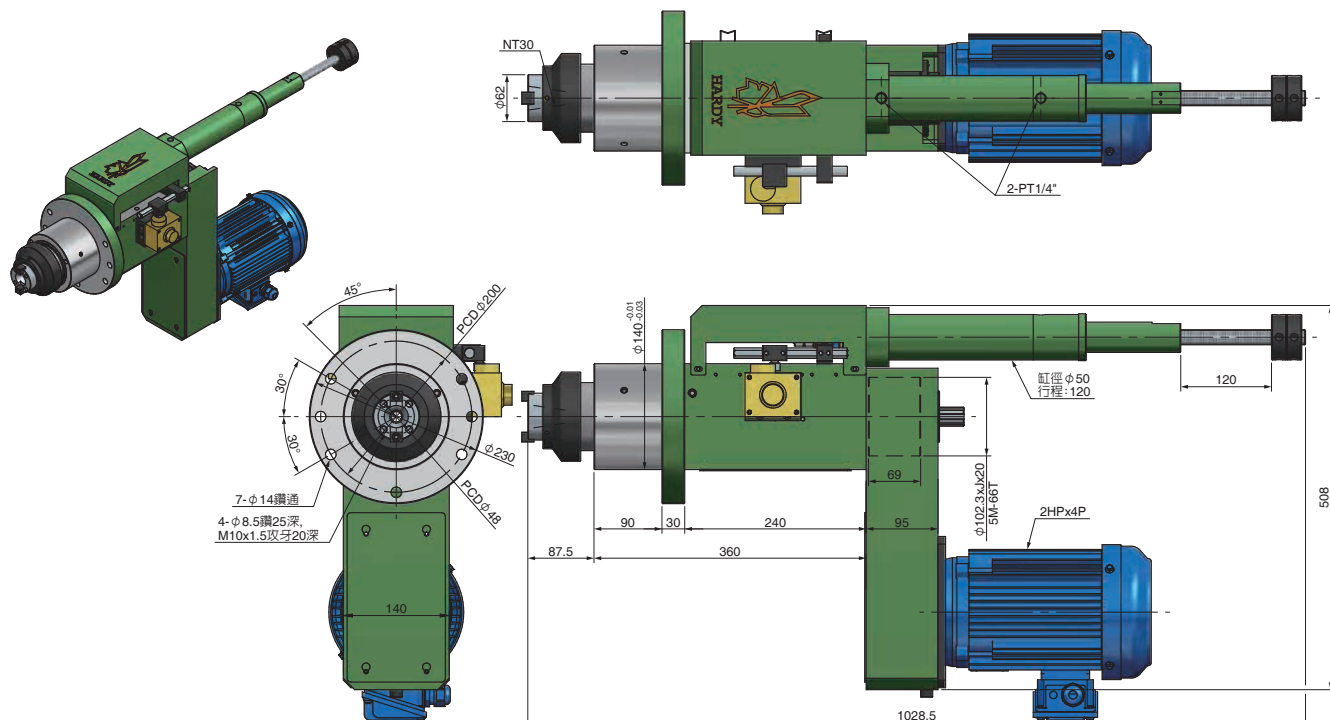
重量	Weight	61 kg
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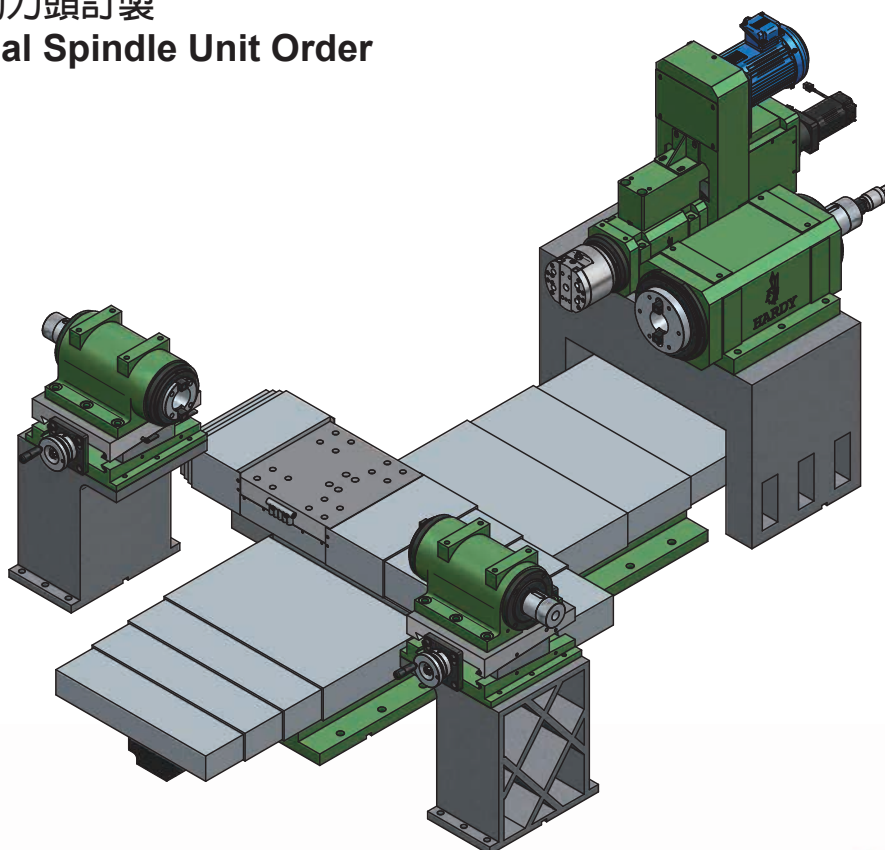
5021# SFHD09-120 水車油壓鑽孔動力頭 Drilling Spindle Head-Hydraulic /Flange Type

SFHD09-NT30-MB

重量	Weight	85 kg
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可接受特殊規格動力頭訂製
We accept Special Spindle Unit Order



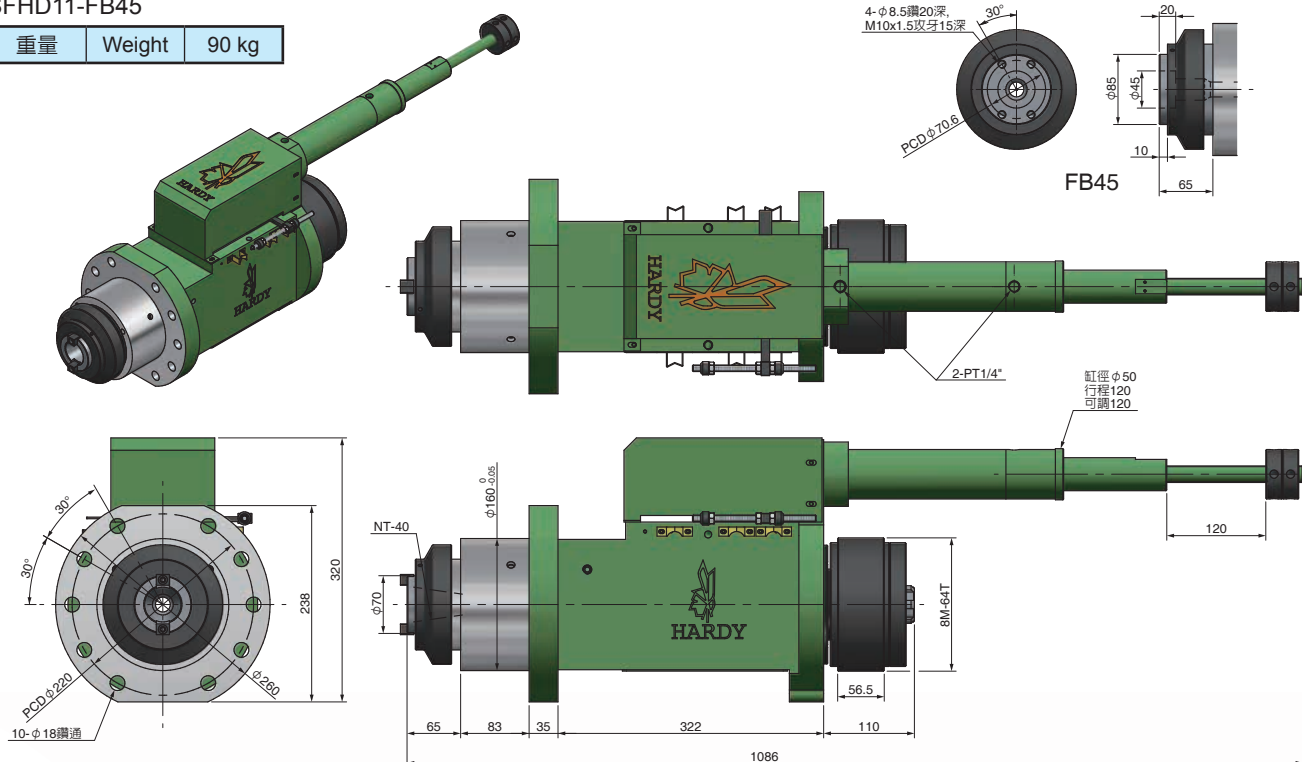
5022# SFHD11-120 水車油壓鑽孔動力頭 Drilling Spindle Head-Hydraulic /Flange Type

規格	Model	SFHD11	SFHD11H
鑽孔能力	Drilling Capacity(S45C)	φ 35	
最大行程	Max. Stroke	120mm	
最高轉速	Max. RPM	1800	4000
馬力	Horsepower	3HP×4P	
主軸皮帶輪	Spindle Pulley	8M-64T×56.5W	
主軸軸承	Spindle Bearing	6210ZZ×2 / 30210×2	7210×4
皮帶輪軸承	Pulley Bearing	6015ZZ×2	
前蓋油封	Front Cover Seal	TC110-130-13×1	
主軸油封	Spindle Seal	TC70-90-12×1	
活塞O型環	Piston O-ring	P110×2	
防水蓋O型環	Front Cover O-ring	G85×1 / G110×1	
推進壓力	Propel Pressure	油壓(H)30~40kg/cm ²	
油缸面積	Cylinder Diameter	14.7cm ² (缸徑 φ 50 ; 心軸 φ 25)	

Roundness: ≤ 0.003mm

SFHD11-NT40
SFHD11-FB45

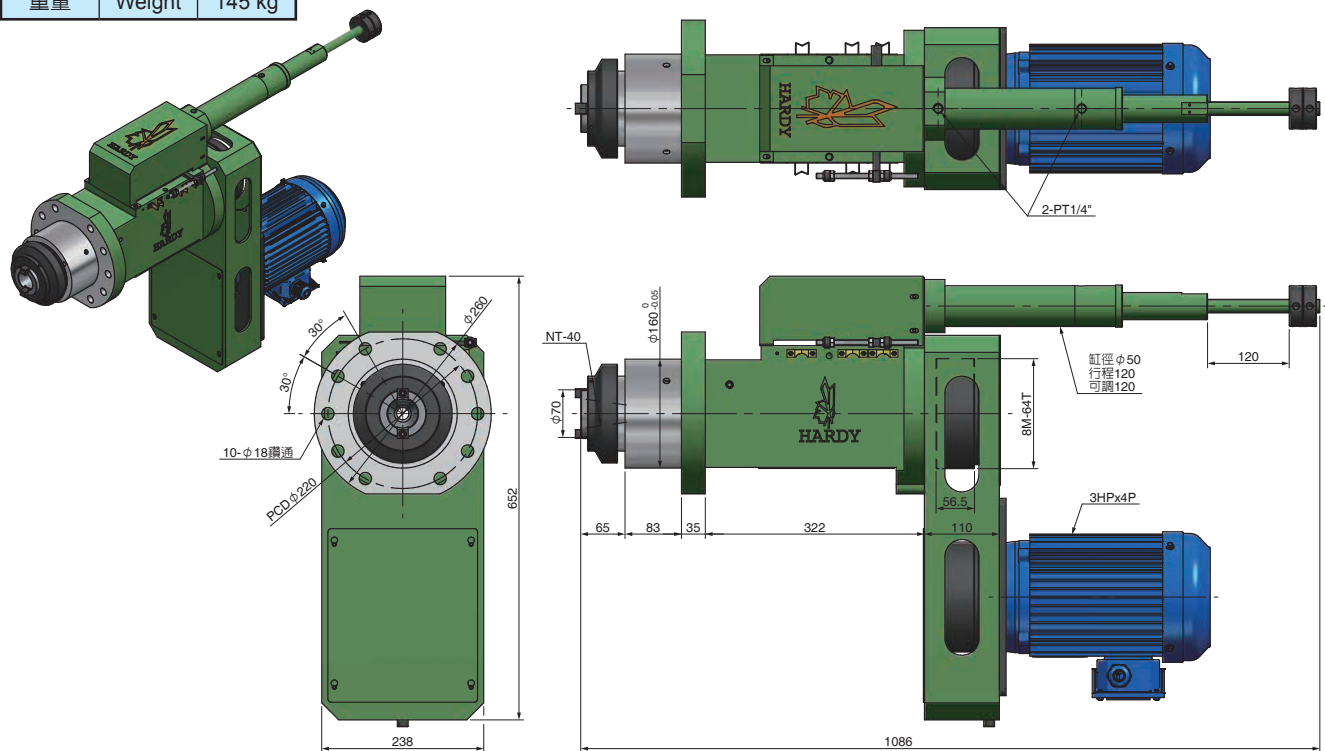
重量	Weight	90 kg
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5022# SFHD11-120 水車油壓鑽孔動力頭 Drilling Spindle Head-Hydraulic /Flange Type

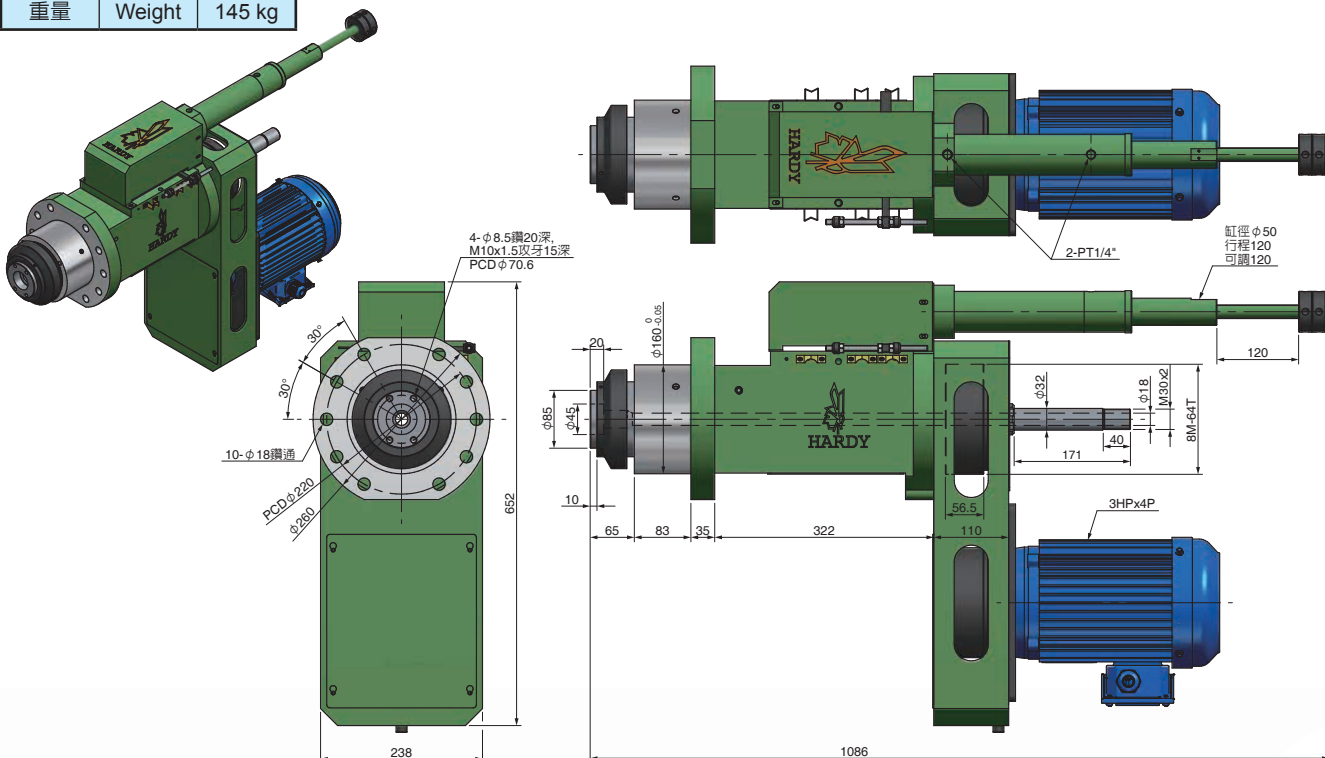
SFHD11-NT40-MB

重量	Weight	145 kg
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SFHD11-FB45-MB

重量	Weight	145 kg
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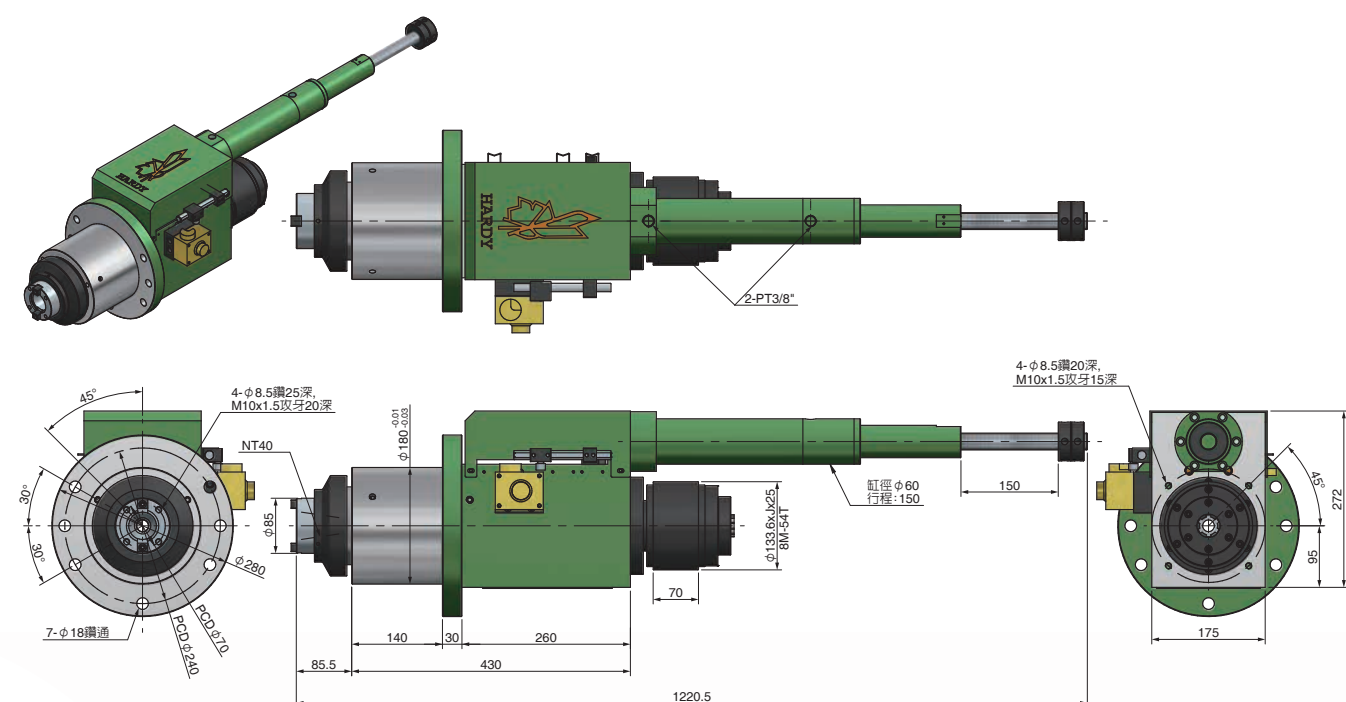
5023# SFHD12-150 水車油壓鑽孔動力頭 Drilling Spindle Head-Hydraulic /Flange Type

規格	Model	SFHD12	SFHD12H
鑽孔能力	Drilling Capacity(S45C)	φ 35	
最大行程	Max. Stroke	150mm	
最高轉速	Max. RPM	2000	6000
馬力	Horsepower	3HP×4P	
主軸皮帶輪	Spindle Pulley	8M-54T×70W / φ 133.6×J×25	
主軸軸承	Spindle Bearing	6011Z×1 / 6009Z×1 32011×1 / 32009×1	7011×2 7009×2
皮帶輪軸承	Pulley Bearing	6211ZZ×2	
前蓋油封	Front Cover Seal	TC120-145-12×1	
主軸油封	Spindle Seal	TC75-90-12×1	
活塞O型環	Piston O-ring	P120×2	
防水蓋O型環	Front Cover O-ring	G85×1 / G120×1	
推進壓力	Propel Pressure	油壓(H)30~40kg/cm ²	
油缸面積	Cylinder Diameter	21.2cm ² (缸徑 φ 60 ; 心軸 φ 30)	

Roundness: ≤ 0.003mm

SFHD12-NT40

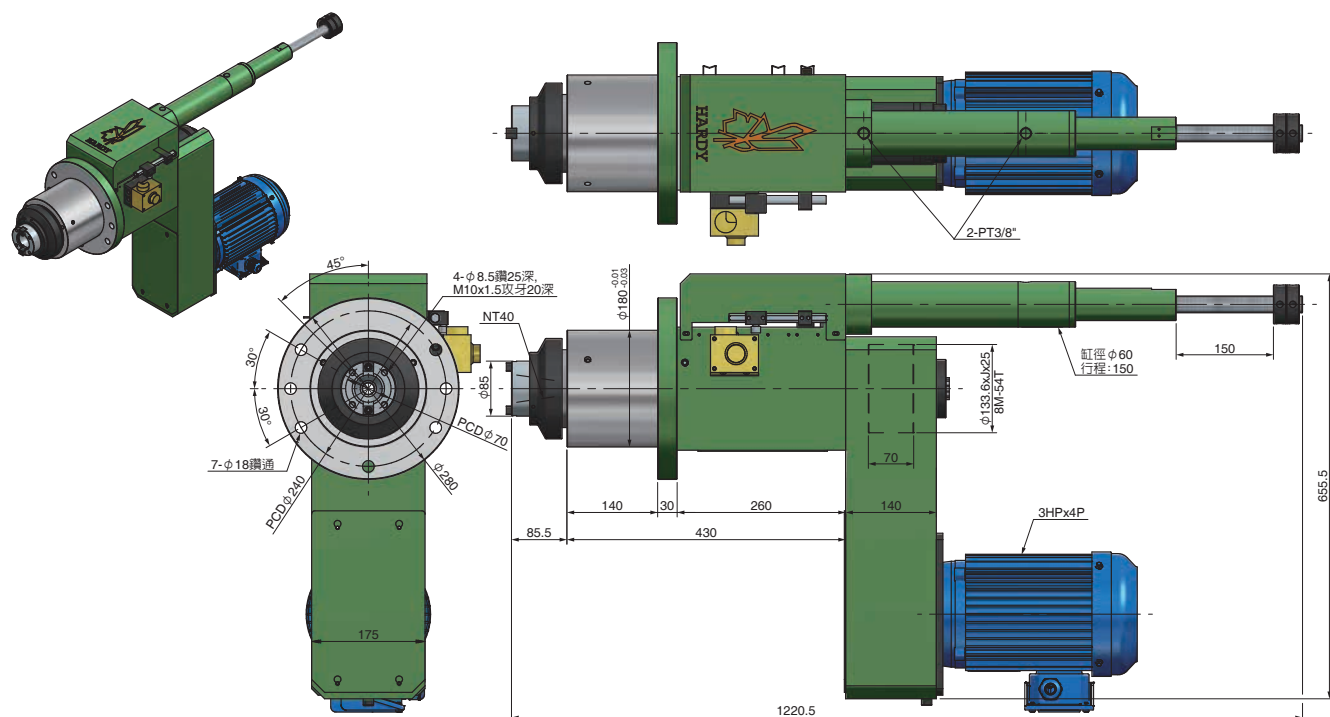
重量	Weight	108 kg
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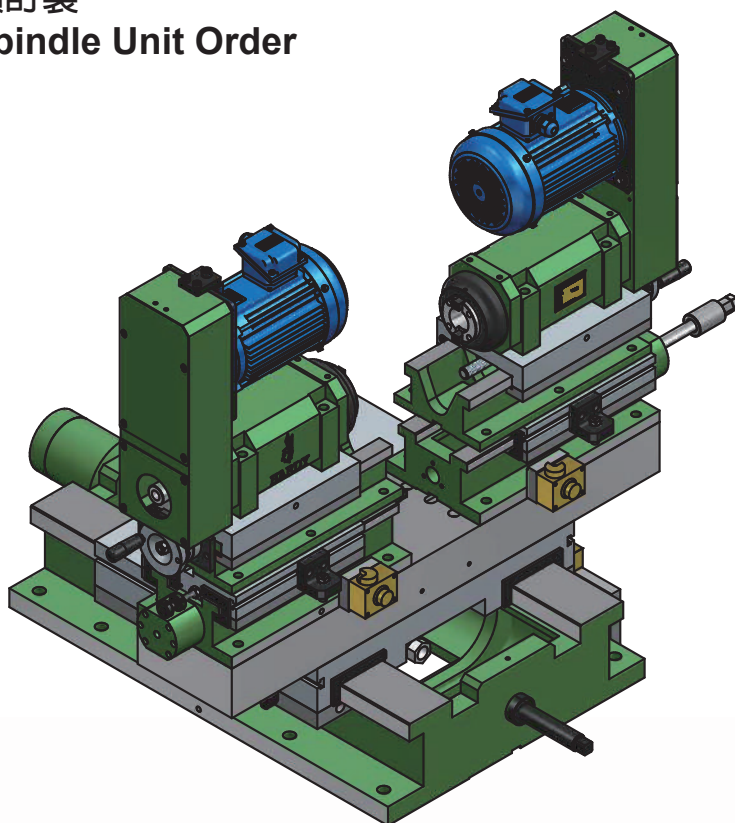
5023# SFHD12-150 水車油壓鑽孔動力頭 Drilling Spindle Head-Hydraulic /Flange Type

SFHD12-NT40-MB

重量	Weight	160 kg
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可接受特殊規格動力頭訂製
We accept Special Spindle Unit Order



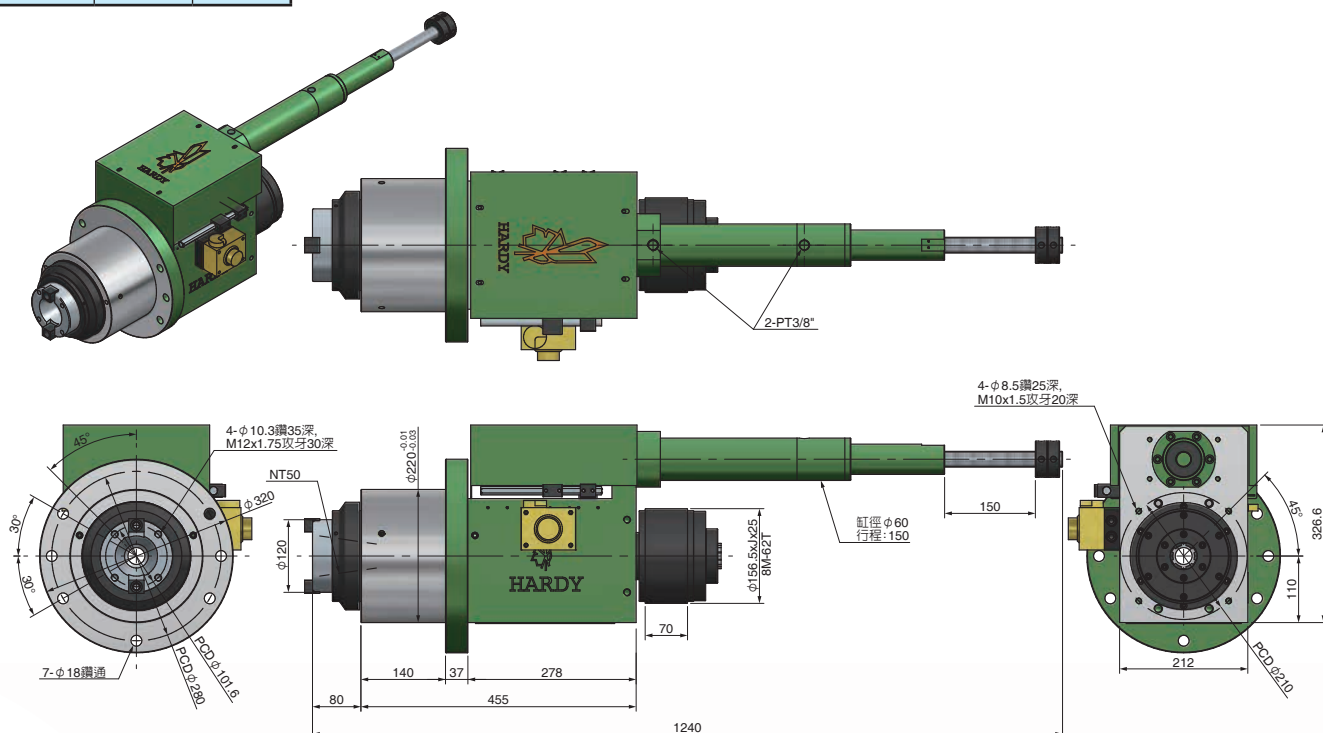
5024# SFHD15-150 水車油壓鑽孔動力頭 Drilling Spindle Head-Hydraulic / Flange Type

規格	Model	SFHD15	SFHD15H
鑽孔能力	Drilling Capacity(S45C)	φ 50	
最大行程	Max. Stroke	150mm	
最高轉速	Max. RPM	1600	4000
馬力	Horsepower	5HP×4P	
主軸皮帶輪	Spindle Pulley	8M-62T×70W / φ 156.5×J×25	
主軸軸承	Spindle Bearing	6014Z×1 / 6012Z×1 32014×1 / 32012×1	7014×2 7012×2
皮帶輪軸承	Pulley Bearing	6213ZZ×2	
前蓋油封	Front Cover Seal	TC150-180-14×1	
主軸油封	Spindle Seal	TC90-110-12×1	
活塞O型環	Piston O-ring	P150×2	
防水蓋O型環	Front Cover O-ring	G120×1 / G150×1	
推進壓力	Propel Pressure	油壓(H)30~40kg/cm ²	
油缸面積	Cylinder Diameter	21.2cm ² (缸徑 φ 60 ; 心軸 φ 30)	

Roundness: ≤ 0.003mm

SFHD15-NT50

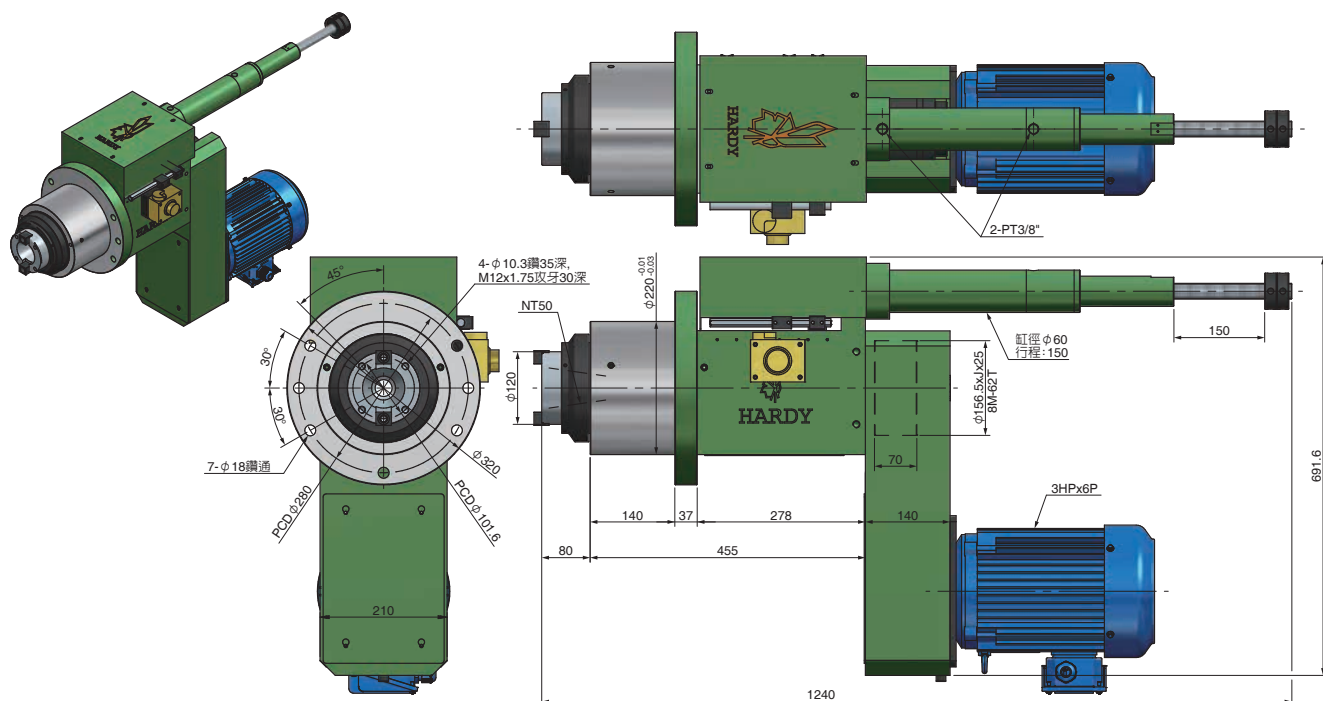
重量	Weight	155 kg
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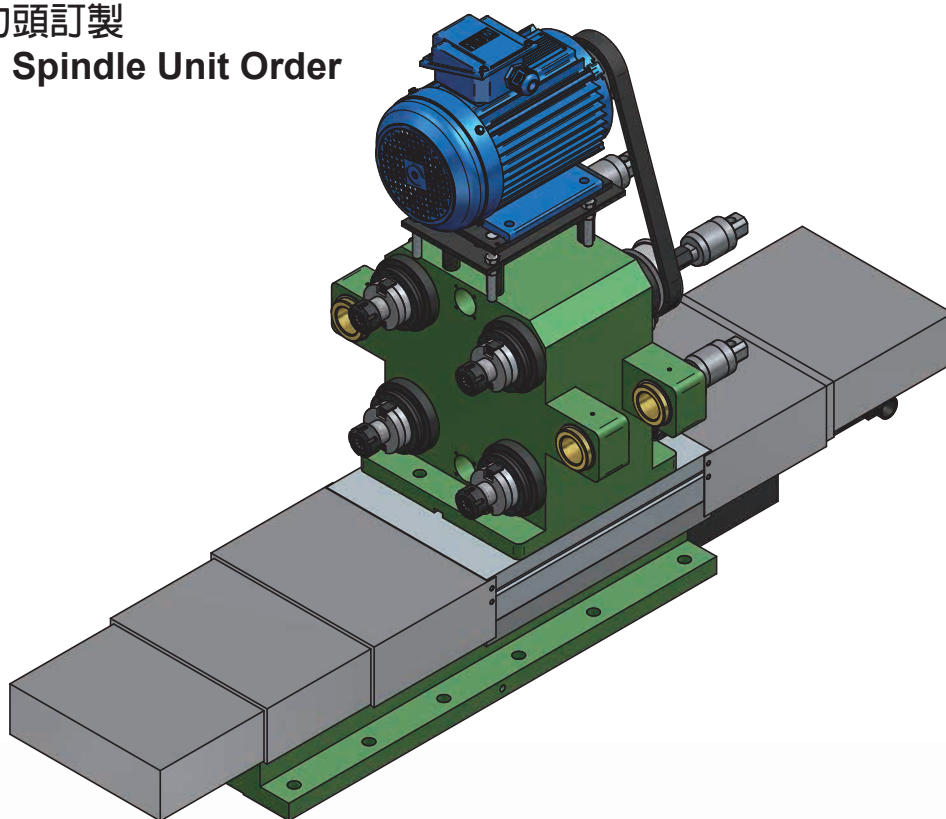
5024# SFHD15-150 水車油壓鑽孔動力頭 Drilling Spindle Head-Hydraulic /Flange Type

SFHD15-NT50-MB

重量	Weight	205 kg
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可接受特殊規格動力頭訂製
We accept Special Spindle Unit Order



5025# SFST06-65 水車攻牙動力頭(牙桿傳動)(大陸專利號：7529700) Tapping Spindle Head /Flange Type/Lead Screw Transmission (SIPO Patent No. 7529700)

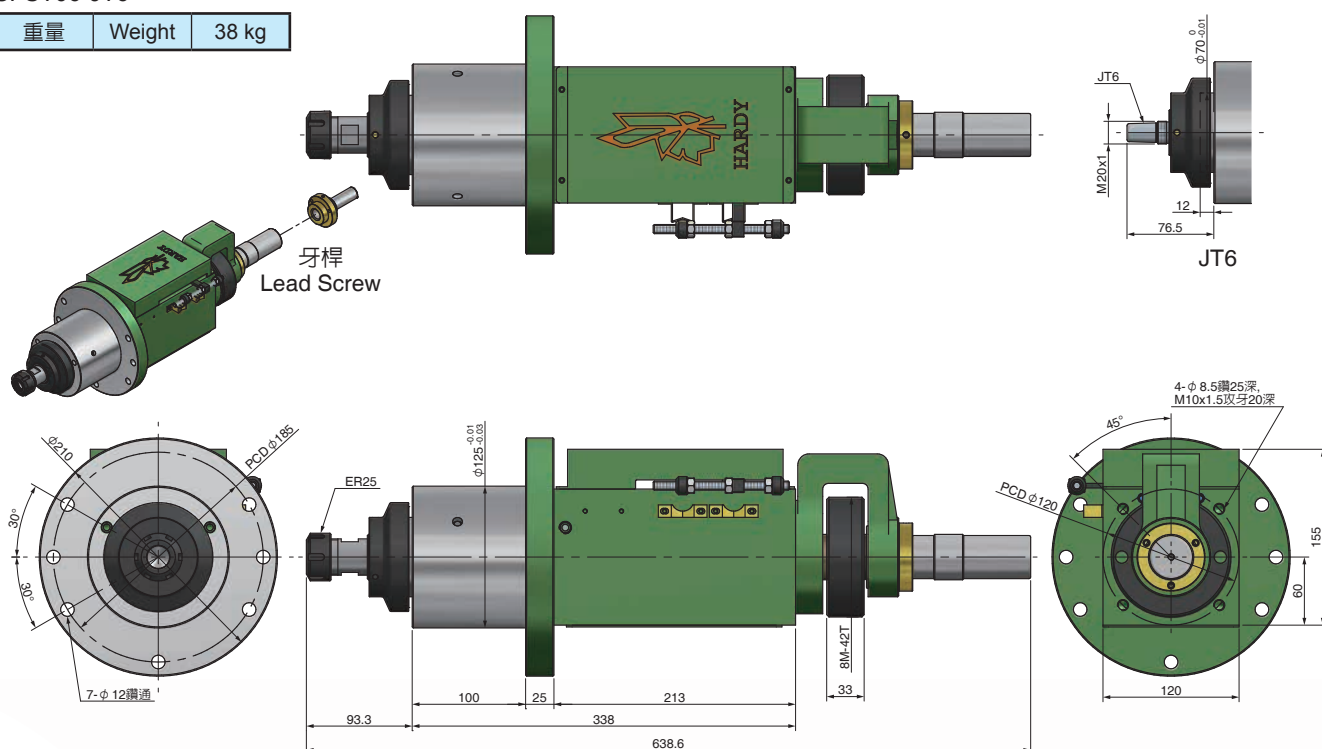
規格	Model	SFST06
攻牙能力	Tapping Capacity(S45C)	M12
最大行程	Max. Stroke	65mm
螺旋導程	Thread Guide Pitch	0.4~2.0mm
馬力	Horsepower, 3 Phase	1HP×4P
主軸皮帶輪	Spindle Pulley	8M-42T×33W
主軸軸承	Spindle Bearing	6006Z×1 / 6005Z×1 32006×1 / 32005×1
皮帶輪軸承	Pulley Bearing	6006ZZ×3
前蓋油封	Front Cover Seal	TC70-90-12×1
前蓋O型環	Front Cover O-ring	G70×1 / G40 (G48-HSK40)×1
主軸油封	Spindle Seal	TC45-60-7×1
活塞O型環	Piston O-ring	P70×2

Roundness: $\leq 0.003\text{mm}$

SFST06-ER25

SFST06-JT6

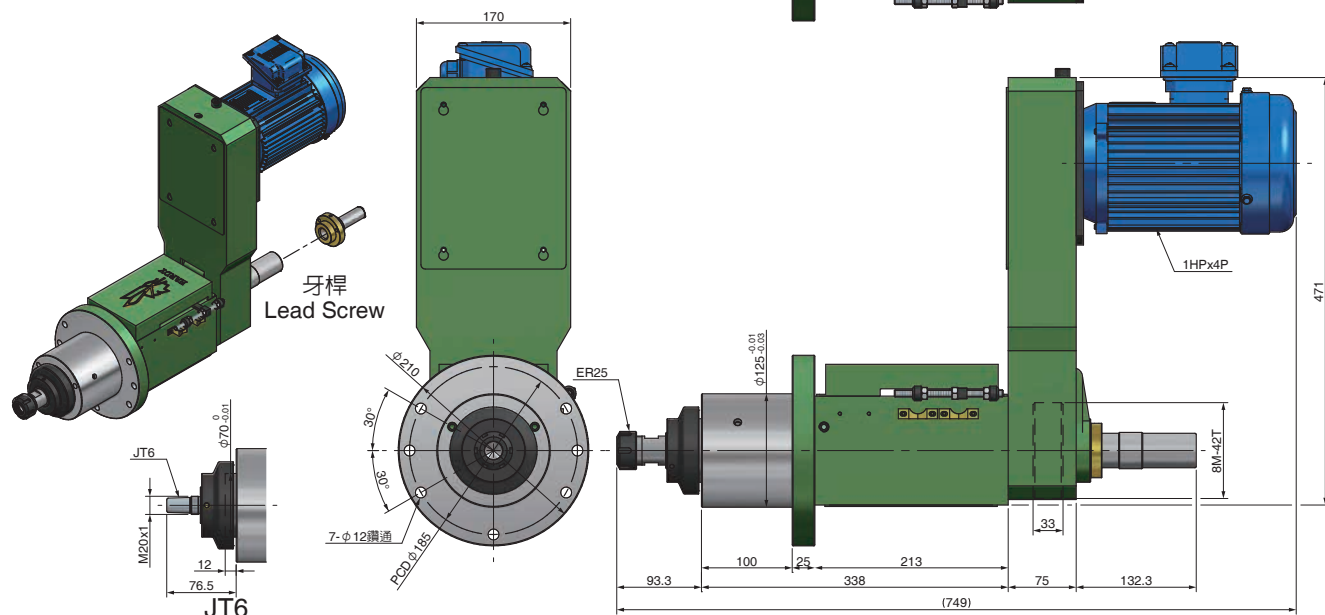
重量	Weight	38 kg
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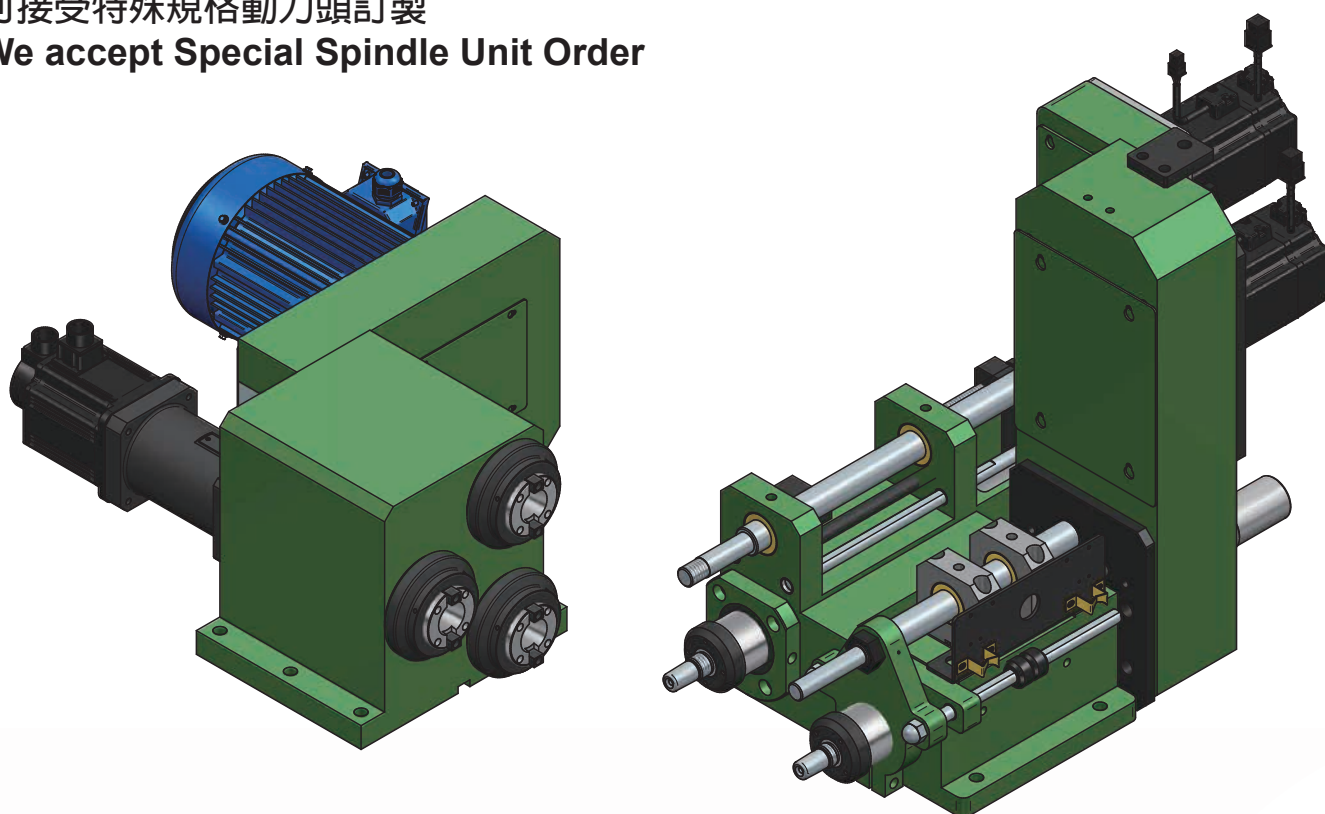
5025# SFST06-65 水車攻牙動力頭 (牙桿傳動) (大陸專利號：7529700) Tapping Spindle Head / Flange Type / Lead Screw Transmission (SIPO Patent No. 7529700)

SFST06-ER25-MB
SFST06-JT6-MB

重量	Weight	65 kg
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可接受特殊規格動力頭訂製
We accept Special Spindle Unit Order



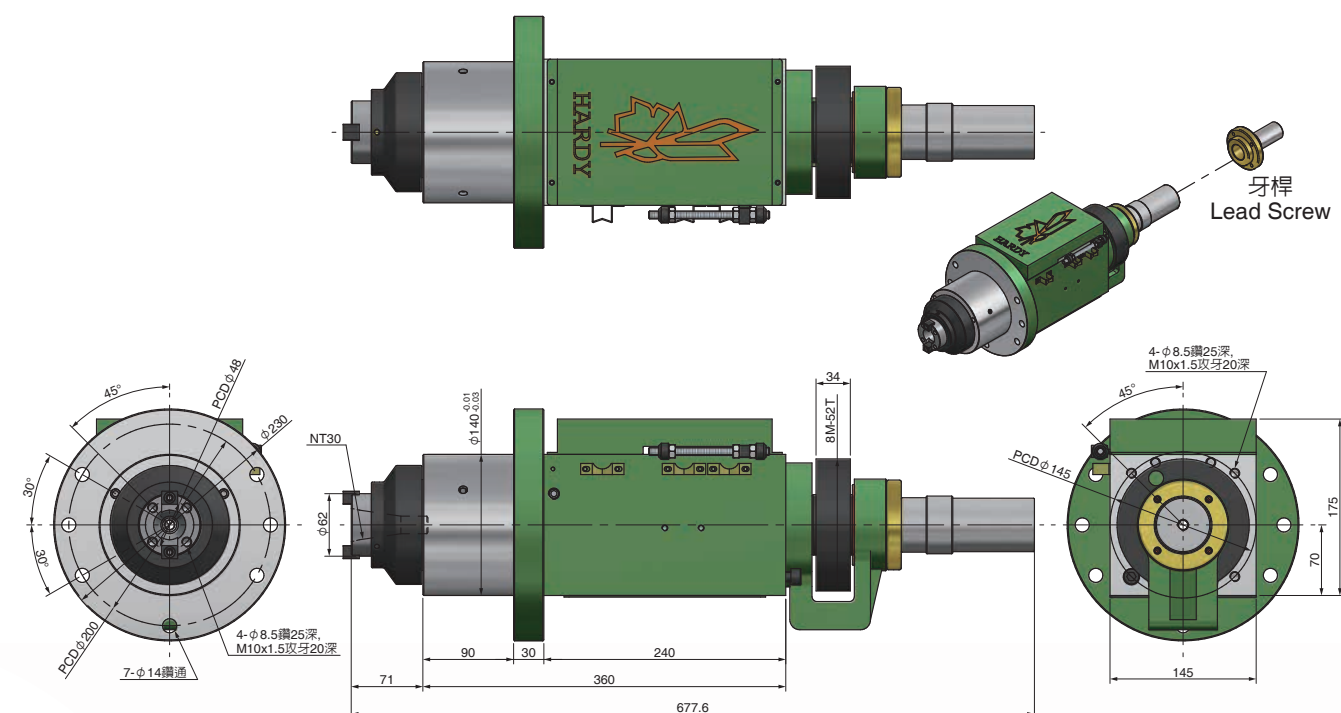
5026# SFST09-85 水車攻牙動力頭(牙桿傳動)(大陸專利號：7529700) Tapping Spindle Head / Flange Type / Lead Screw Transmission (SIPO Patent No. 7529700)

規格	Model	SFST09
攻牙能力	Tapping Capacity(S45C)	M30
最大行程	Max. Stroke	85mm
螺旋導程	Thread Guide Pitch	0.7~2.5mm
馬力	Horsepower, 3 Phase	2HP×4P
主軸皮帶輪	Spindle Pulley	8M-52T×34W
主軸軸承	Spindle Bearing	6007Z×1 / 6006Z×1 32007×1 / 32006×1
皮帶輪軸承	Pulley Bearing	6010ZZ×3
前蓋油封	Front Cover Seal	TC90-110-12×1
前蓋O型環	Front Cover O-ring	G90×1 / G62×1
主軸油封	Spindle Seal	TC50-65-8×1
活塞O型環	Piston O-ring	P90×2

Roundness: $\leq 0.003\text{mm}$

SFST09-NT30

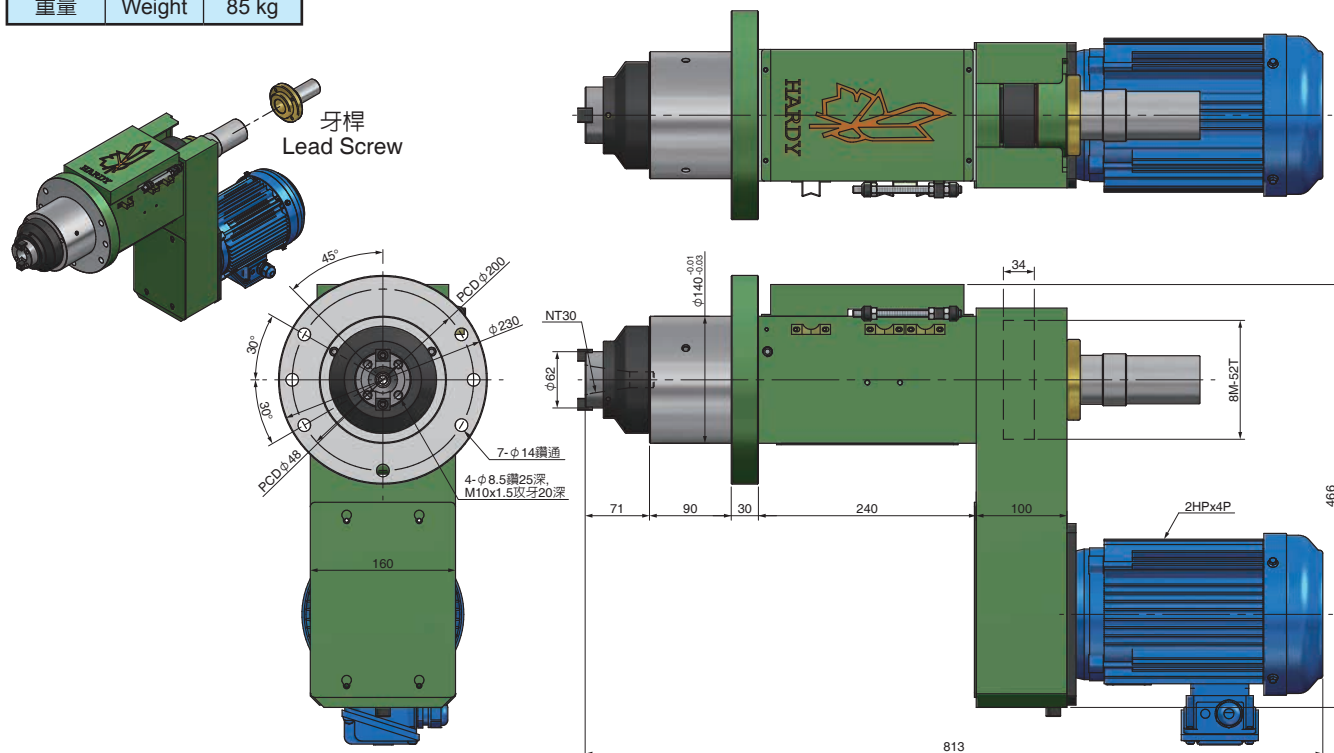
重量	Weight	61 kg
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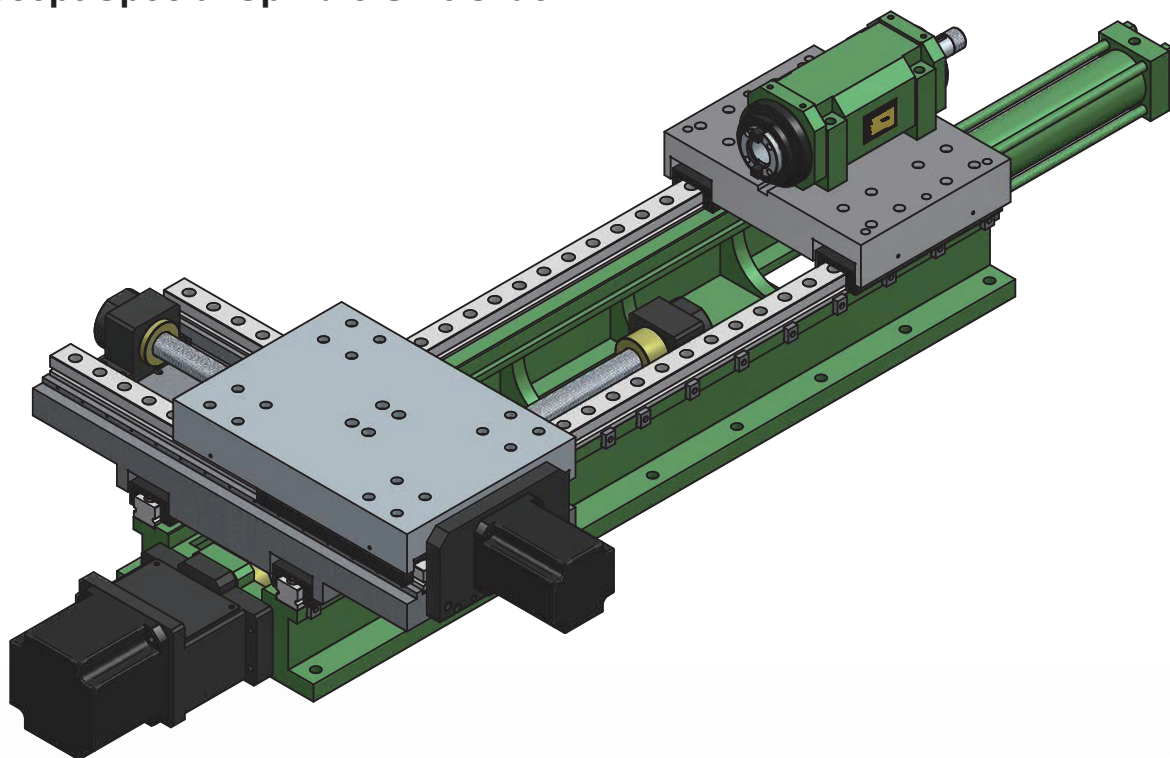
5026# SFST09-85 水車攻牙動力頭(牙桿傳動)(大陸專利號：7529700) Tapping Spindle Head /Flange Type/Lead Screw Transmission (SIPO Patent No. 7529700)

SFST09-NT30-MB

重量	Weight	85 kg
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可接受特殊規格動力頭訂製
We accept Special Spindle Unit Order



5027# SFST11-90 水車攻牙動力頭(牙桿傳動)(大陸專利號：7529700)

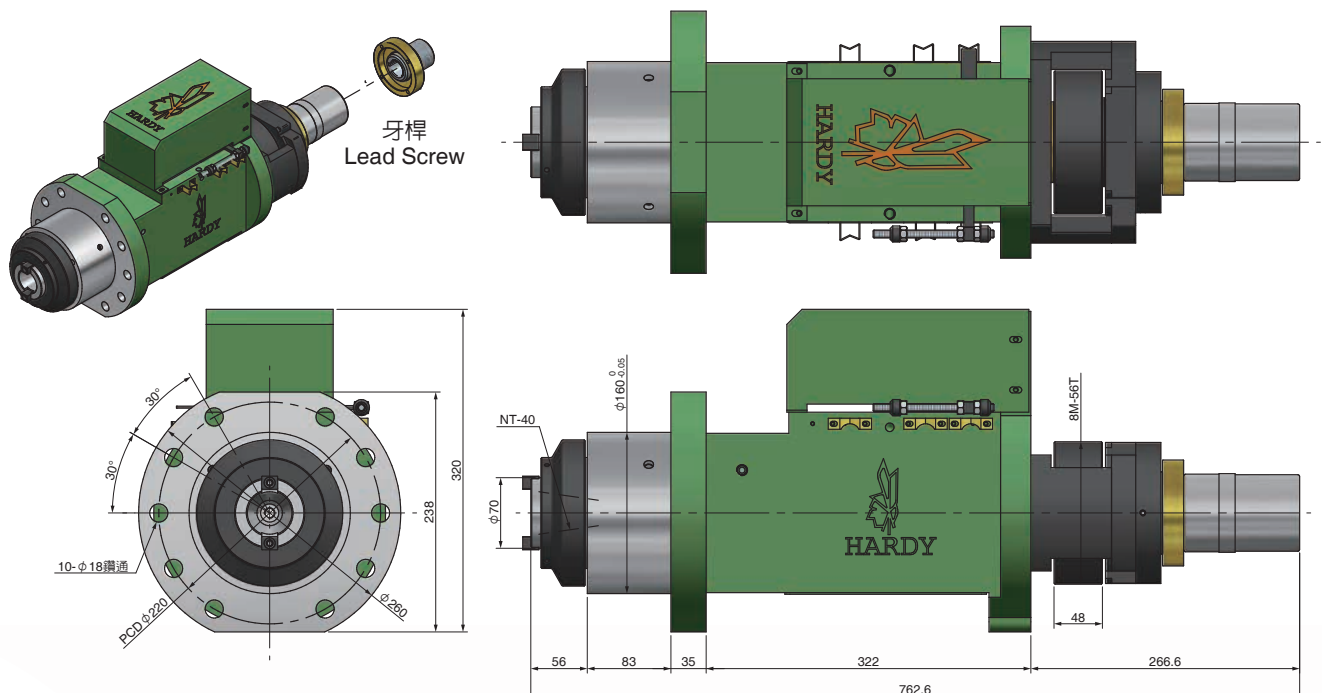
Tapping Spindle Head /Flange Type/Lead Screw Transmission (SIPO Patent No. 7529700)

規格	Model	SFST11
攻牙能力	Tapping Capacity(S45C)	M35
最大行程	Max. Stroke	90mm
螺旋導程	Thread Guide Pitch	0.8~3.0mm
馬力	Horsepower, 3 Phase	3HP×4P
主軸皮帶輪	Spindle Pulley	8M-56T×48W
主軸軸承	Spindle Bearing	6210ZZ×3
皮帶輪軸承	Pulley Bearing	6013ZZ×1 / 6015ZZ×1
前蓋油封	Front Cover Seal	TC110-130-13×1
前蓋O型環	Front Cover O-ring	G70×1 / G110×1
主軸油封	Spindle Seal	TC70-90-12×1
活塞O型環	Piston O-ring	P110×2

Roundness: $\leq 0.003\text{mm}$

SFST11-NT40

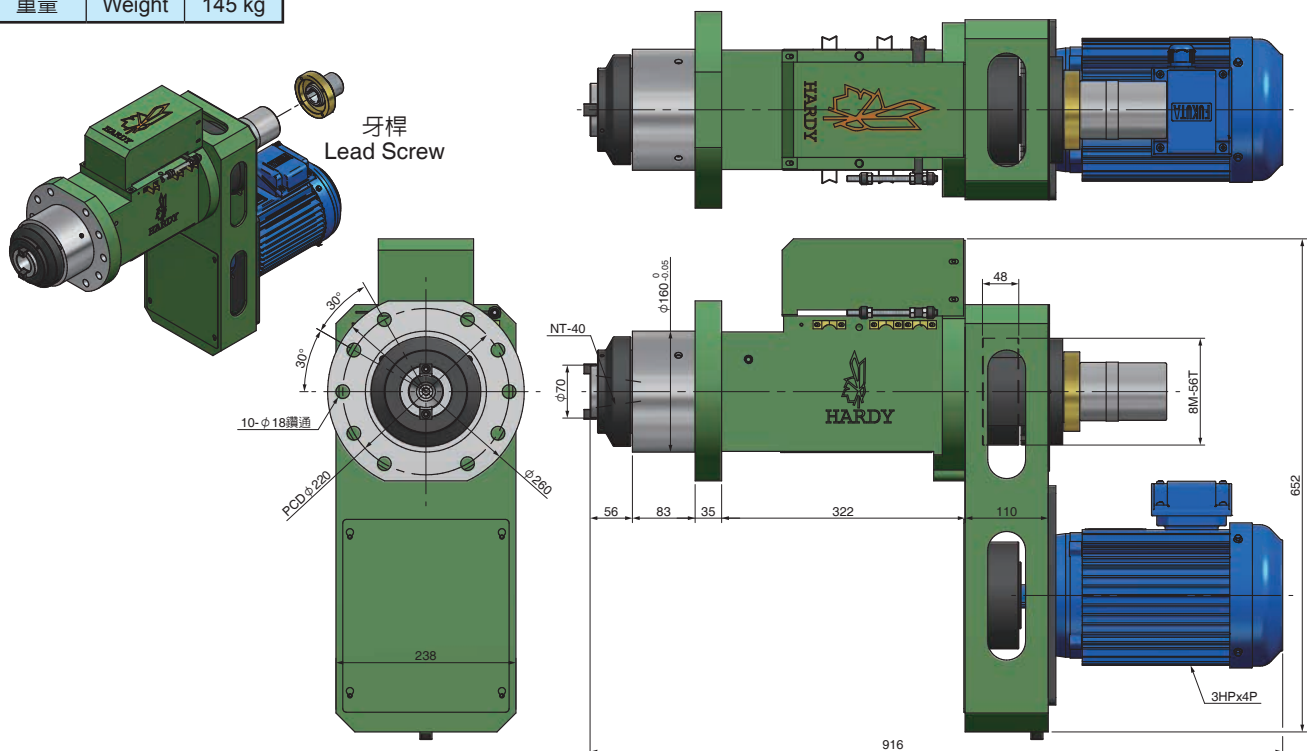
重量	Weight	90 kg
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水車攻牙動力頭(牙桿傳動)(大陸專利號：7529700)
Tapping Spindle Head /Flange Type/Lead Screw Transmission
(SIPO Patent No. 7529700)

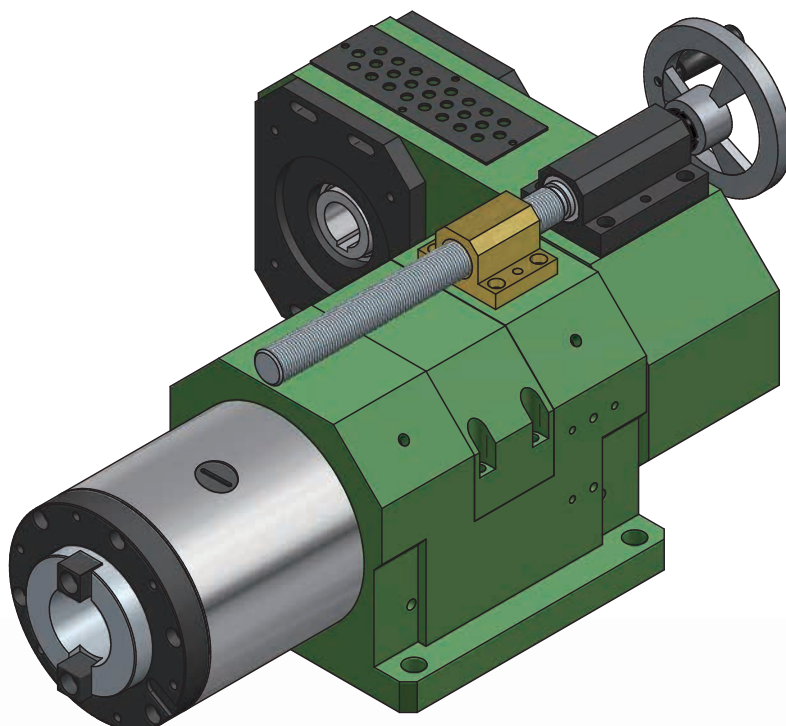
SFST11-NT40-MB

重量	Weight	145 kg
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可接受特殊規格動力頭訂製

We accept Special Spindle Unit Order

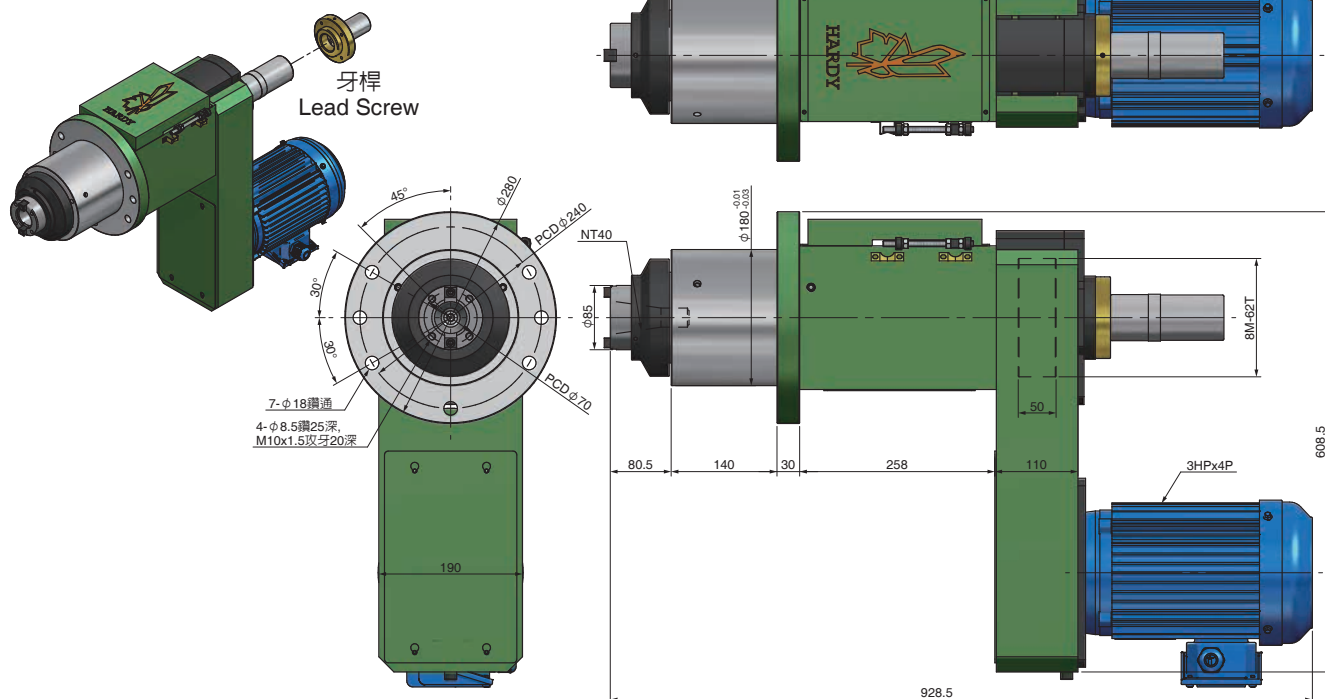


5028# SFST12-90

水車攻牙動力頭(牙桿傳動)(大陸專利號：7529700)
Tapping Spindle Head /Flange Type/Lead Screw Transmission
(SIPO Patent No. 7529700)

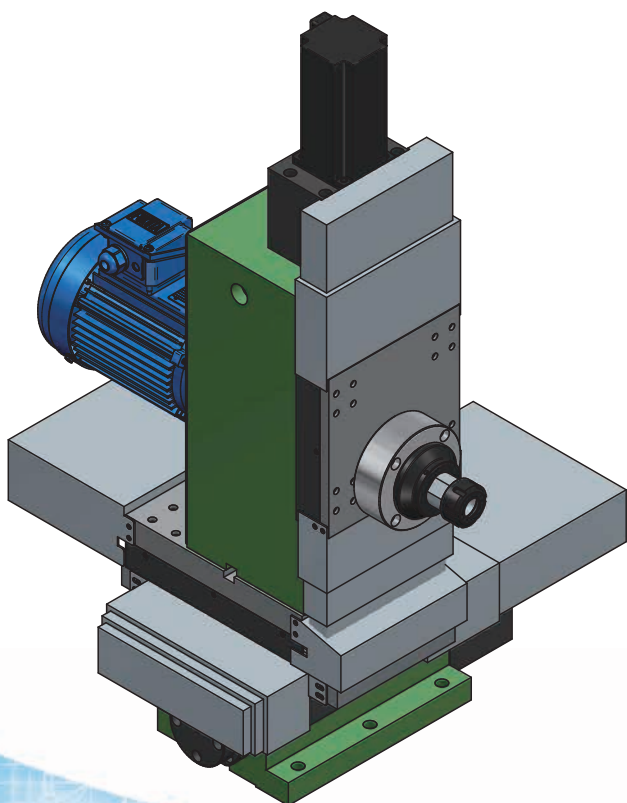
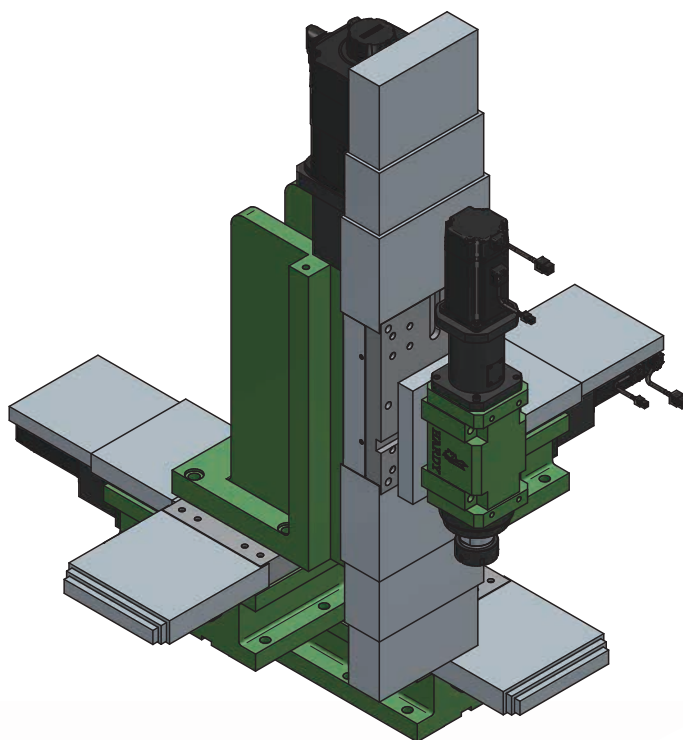
SFST12-NT40-MB

重量	Weight	150 kg
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可接受特殊規格動力頭訂製

We accept Special Spindle Unit Order



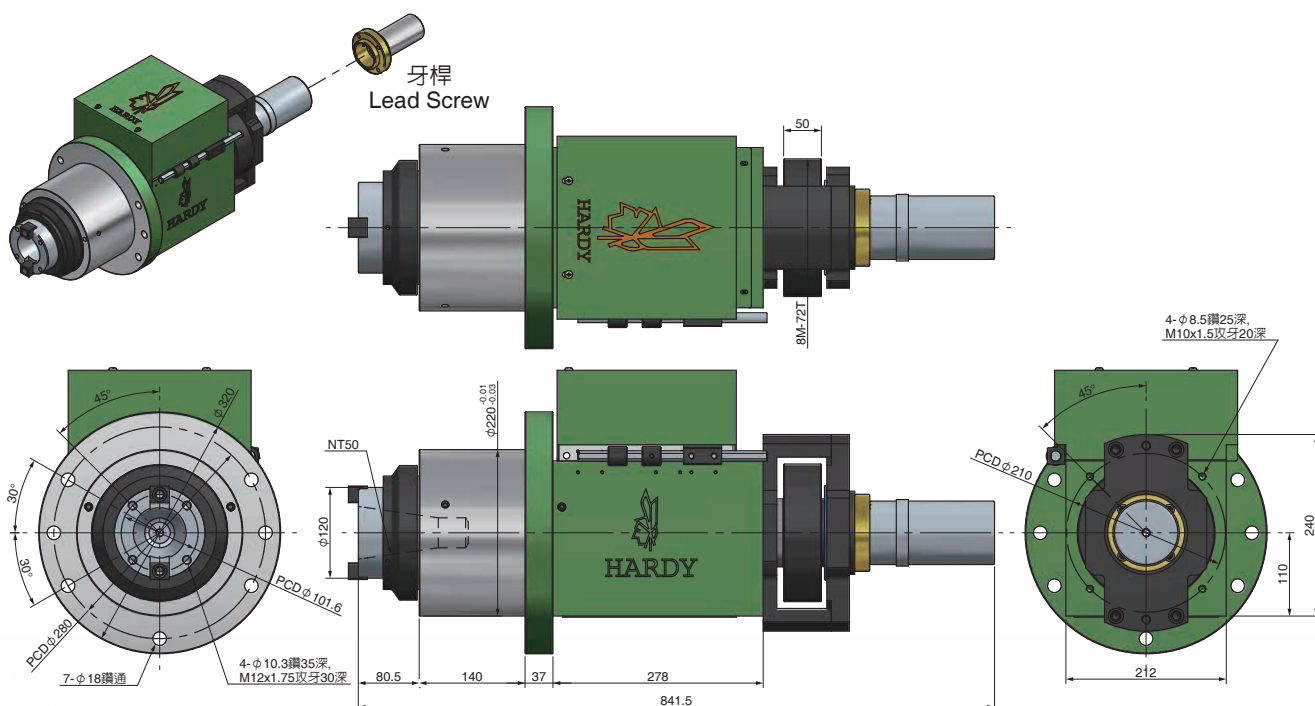
5029# SFSTL15-120 水車攻牙動力頭(牙桿傳動)(專利號碼：M581516) Tapping Spindle Head /Flange Type/Lead Screw Transmission (Patent No. M581516)

規格	Model	SFSTL15
攻牙能力	Tapping Capacity(S45C)	M50
最大行程	Max. Stroke	120mm
螺旋導程	Thread Guide Pitch	0.8~3.0mm
馬力	Horsepower, 3 Phase	5HP×4P
主軸皮帶輪	Spindle Pulley	8M-72T×50W
主軸軸承	Spindle Bearing	6014Z×1 / 6012Z×1 32014×1 / — 32012×1
皮帶輪軸承	Pulley Bearing	6214ZZ×2
前蓋油封	Front Cover Seal	TC150-180-14×1
前蓋O型環	Front Cover O-ring	G120×1 / G150×1
主軸油封	Spindle Seal	TC90-110-12×1
活塞O型環	Piston O-ring	P150×2

Roundness: $\leq 0.003\text{mm}$

SFSTL15-NT50

重量	Weight	150 kg
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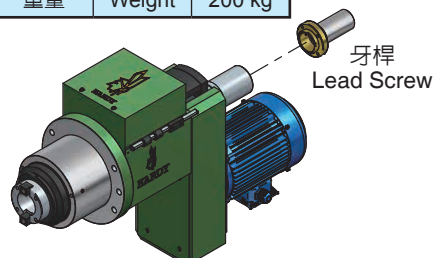
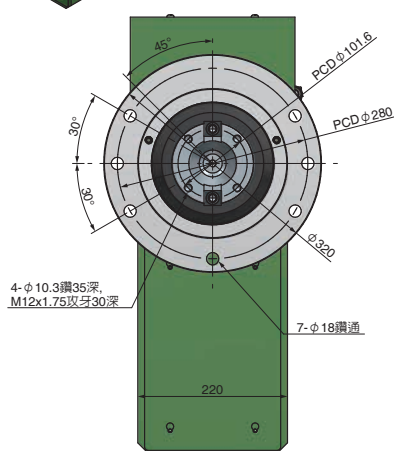
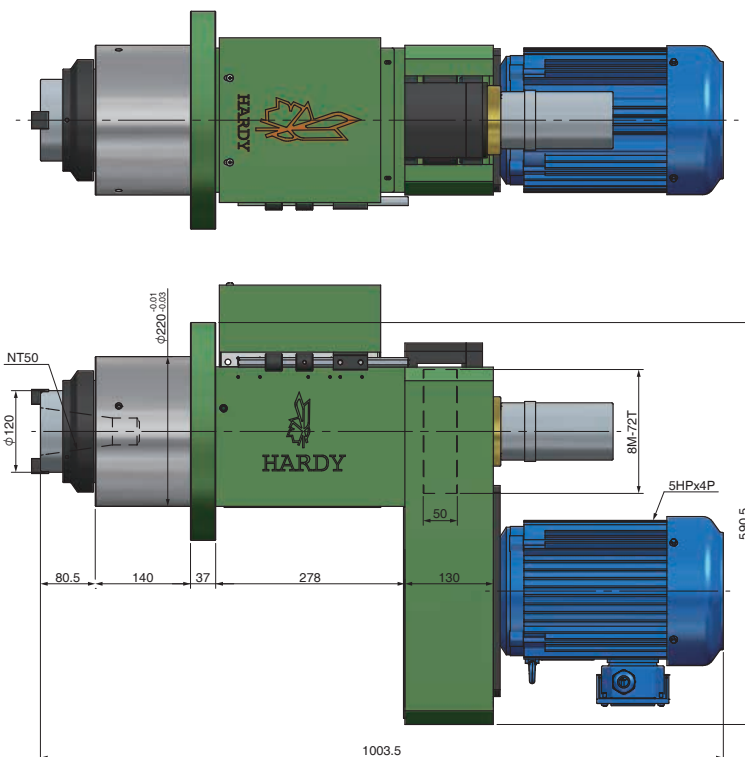


5029# SFSTL15-120

水車攻牙動力頭(牙桿傳動)(專利號碼：M581516)
Tapping Spindle Head /Flange Type/Lead Screw Transmission
(Patent No. M581516)

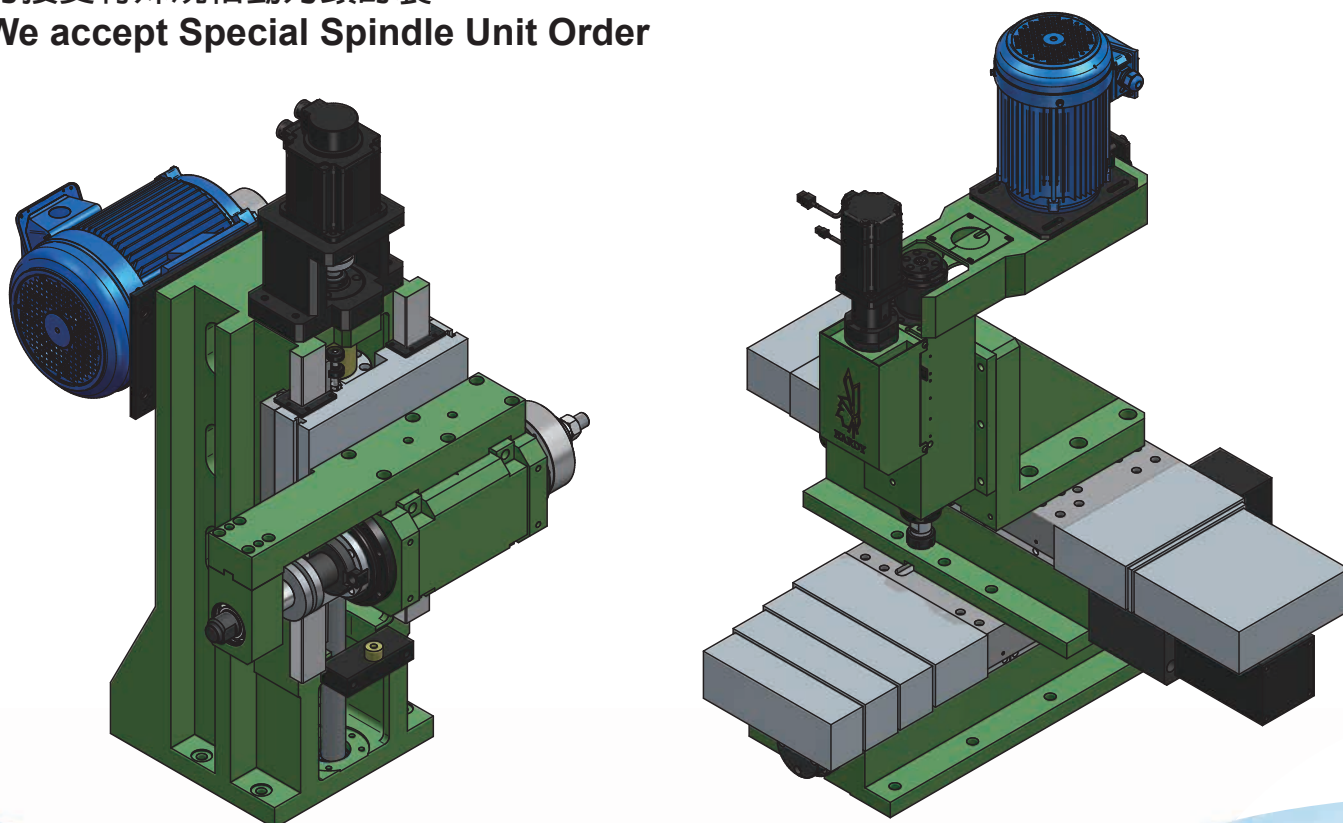
SFSTL15-NT50-MB

重量	Weight	200 kg
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可接受特殊規格動力頭訂製

We accept Special Spindle Unit Order

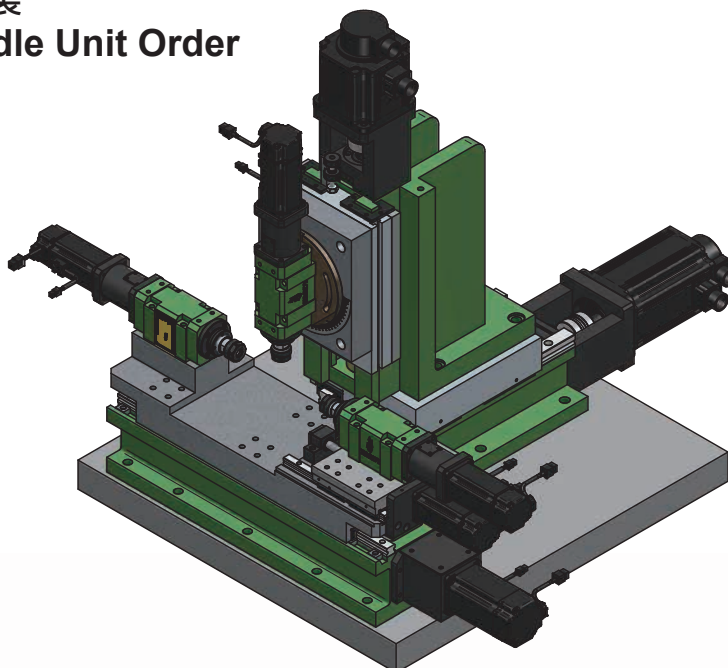


5030# SSFD11-120 水車伺服展刀動力頭(專利號碼:M510810) Facing Spindle Head-Servo / Flange Type (Patent No.M510810)

規格	Model	SSFD11-120M-FB45
最大行程	Max. Stroke	120mm
最高轉速	Max. RPM	1600
馬力	Horsepower	3HP×4P
主軸皮帶輪	Spindle Pulley	8M-64T×56.5W
主軸軸承	Spindle Bearing	6210ZZ×2 / 30210×2
皮帶輪軸承	Pulley Bearing	6015ZZ×2
前蓋油封	Front Cover Seal	TC110-130-13×1
主軸油封	Spindle Seal	TC75-90-12×1
活塞O型環	Piston O-ring	P110×2
防水蓋O型環	Front Cover O-ring	G85×1 / G110×1
進給螺桿	Spindle Feeding Ball Screw	φ 25×5×C5
展刀螺桿	Facing Head Slider Ball Screw	φ 20×5×C5
螺桿軸承座軸承	Bearing Of Ballscrew Bearing Block	7203×4
螺桿軸承座油封	Seal Of Ballscrew Bearing Block	TC20-40-8×1 / TC24-40-8×1 / TC24-38-8×2
展刀軸承座軸承	Bearing Of Facing Head	7207×2 / 7203×2
展刀軸承座油封	Seal Of Facing Head	TC45-70-8×1 TC24-40-8×1 / TC24-38-8×1
展刀搪溝頭	Single-Slide Facing Head	FA-408
滑座行程	Slider Stroke	8 mm

Roundness: $\leq 0.003\text{mm}$
Slider Self-Repeatability: $\leq 0.005\text{mm}$ (展刀靜態重複定位)

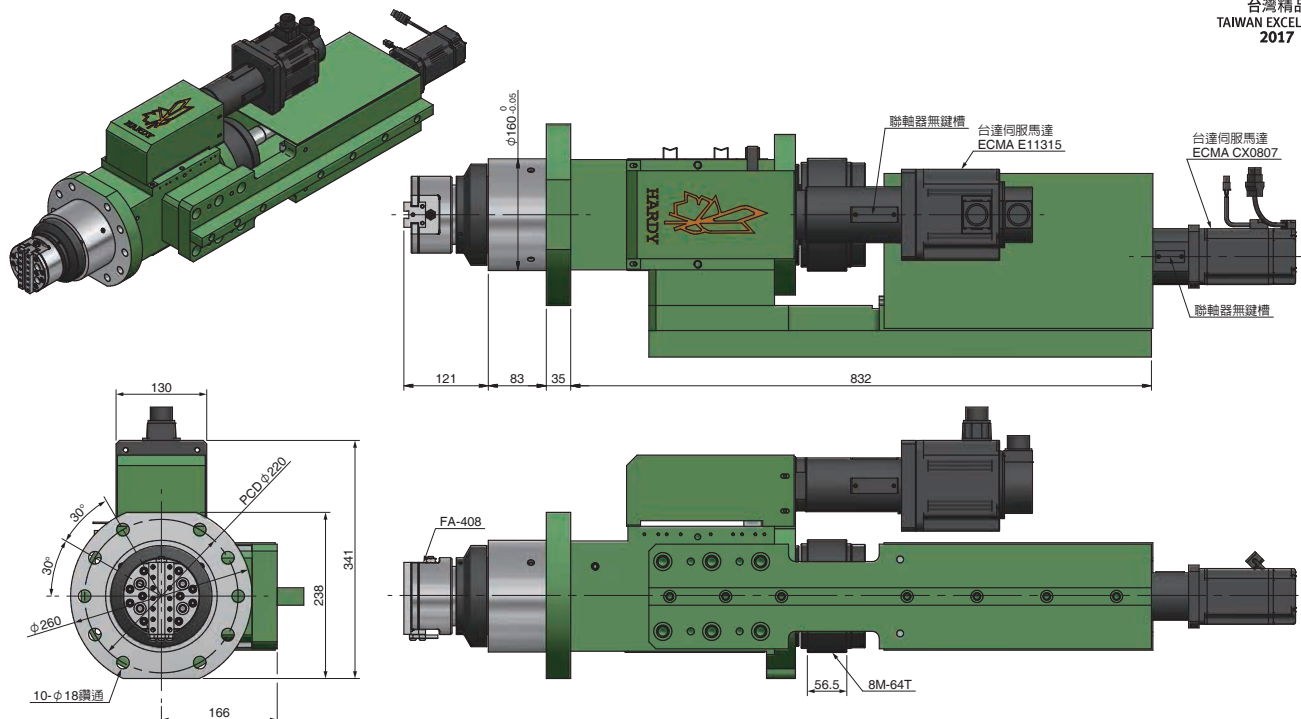
可接受特殊規格動力頭訂製
We accept Special Spindle Unit Order
滾齒加工機



5030# SSFD11-120 水車伺服展刀動力頭(專利號碼:M510810) Facing Spindle Head-Servo / Flange Type (Patent No.M510810)

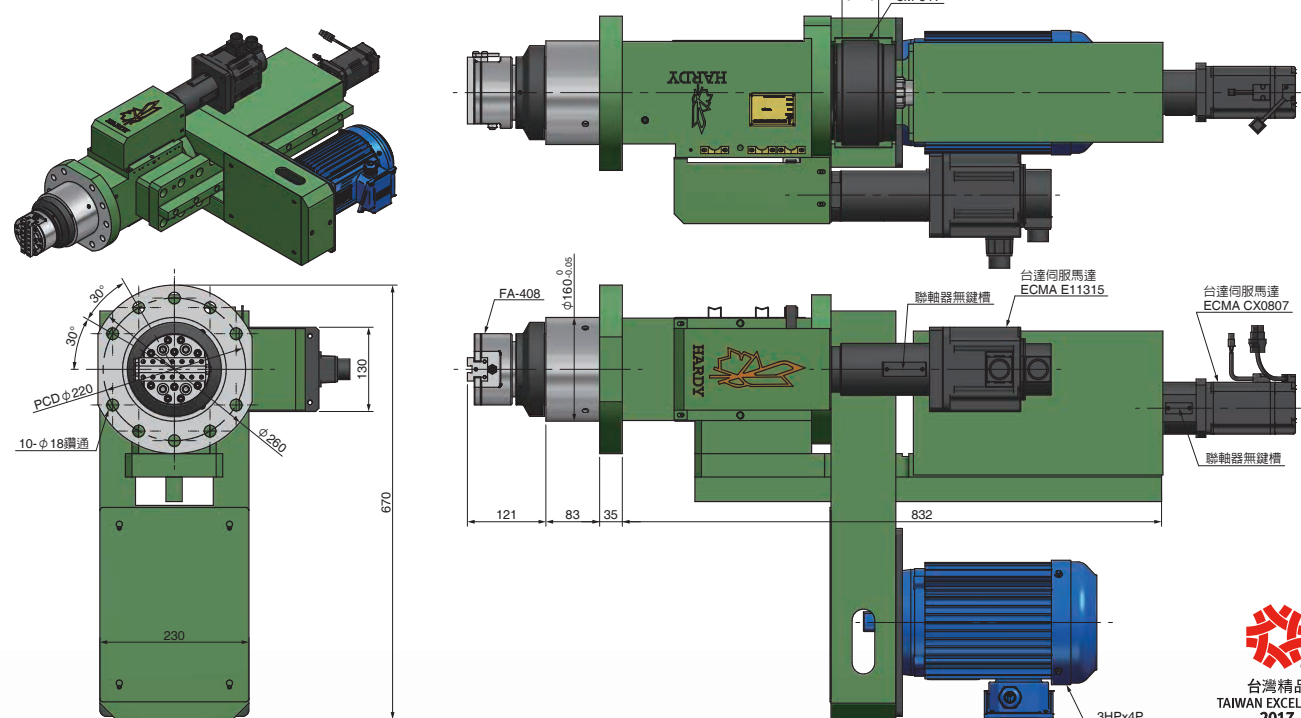
SSFD11-FB45

重量	Weight	173 kg
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SSFD11-FB45-MB

重量	Weight	215 kg
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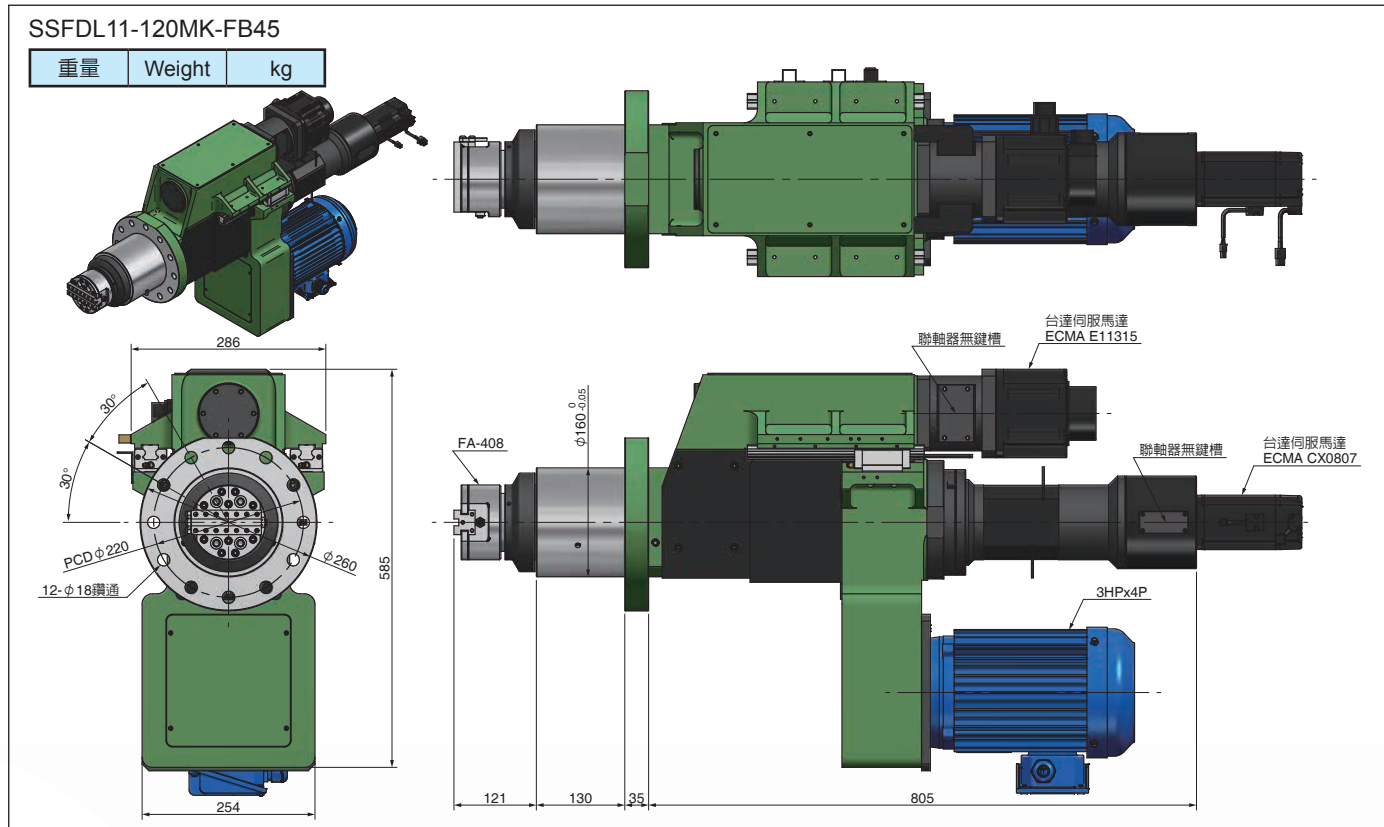


5031# SSFDL11-120MK 水車伺服展刀動力頭(強力型)

Facing Spindle Head - Servo Linear Rail / Flange Type

規格	Model	SSFDL11-120MK-FB45
最大行程	Max. Stroke	120 mm
最高轉速	Max. RPM	1600
馬力	Horsepower	3HP×4P
主軸皮帶輪	Spindle Pulley	8M-50T×60W
主軸軸承	Spindle Bearing	6210ZZ×2 / 30210×2
前蓋油封	Front Cover Seal	TC110-130-13×1
主軸油封	Spindle Seal	TC75-90-12×1
活塞O型環	Piston O-ring	P110×2
防水蓋O型環	Front Cover O-ring	G85×1 / G110×1
進給螺桿	Spindle Feeding Ball Screw	φ 32×5×C5
展刀螺桿	Facing Head Slider Ball Screw	φ 20×5×C5
螺桿軸承座軸承	Bearing Of Ballscrew Bearing Block	7205×2
螺桿軸承座油封	Seal Of Ballscrew Bearing Block	TC32-48-8×1
展刀軸承座軸承	Bearing Of Facing Head	7203×2
展刀搪溝頭	Single-Slide Facing Head	FA-408
滑座行程	Slider Stroke	8 mm

Roundness: $\leq 0.003\text{mm}$
 Slider Self-Repeatability: $\leq 0.005\text{mm}$ (展刀靜態重複定位)



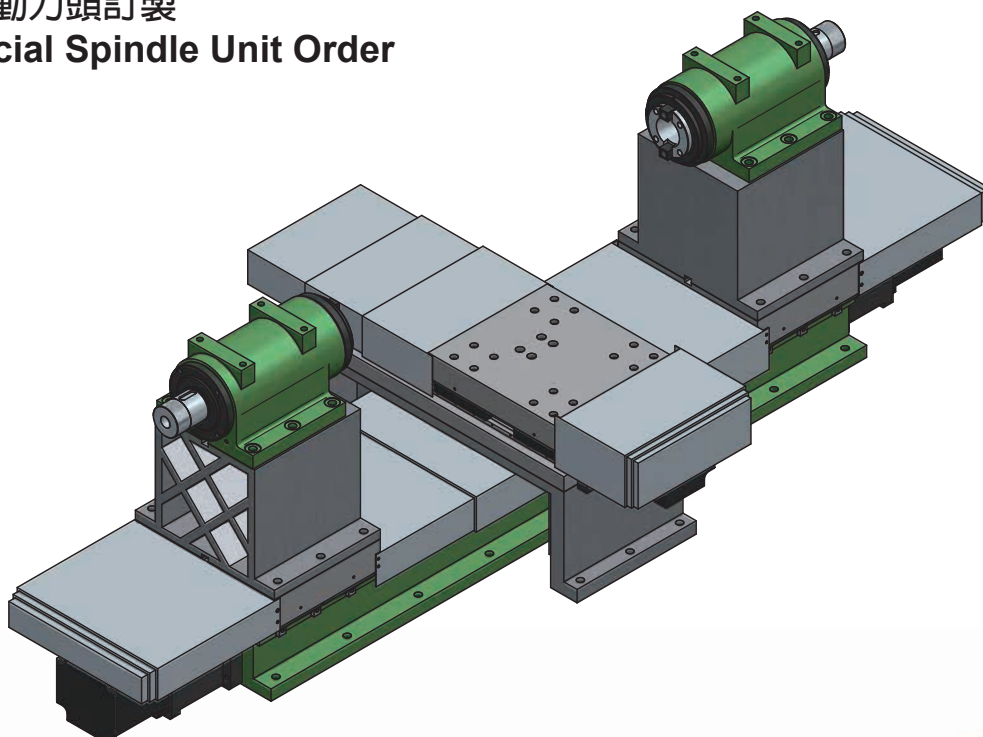
5032# SSFSD12-150 水車伺服展刀動力頭(專利號碼:M510810)

Facing Spindle Head-Servo / Flange Type (Patent No.M510810)

規格	Model	SSFSD12-150M-NT40
最大行程	Max. Stroke	150mm
最高轉速	Max. RPM	1200
馬力	Horsepower	3HP×4P
主軸皮帶輪	Spindle Pulley	8M-54T×70W
主軸軸承	Spindle Bearing	6011Z×1 / 6009Z×1 32011×1 / 32009×1
皮帶輪軸承	Pulley Bearing	6211ZZ×2
前蓋油封	Front Cover Seal	TC120-145-12×1
主軸油封	Spindle Seal	TC75-90-12×1
活塞O型環	Piston O-ring	P120×2
防水蓋O型環	Front Cover O-ring	G85×1 / G120×1
進給螺桿	Spindle Feeding Ball Screw	φ 25×5×C5
展刀螺桿	Facing Head Slider Ball Screw	φ 20×5×C5
螺桿軸承座軸承	Bearing Of Ballscrew Bearing Block	7204×2 / 7203×2
螺桿軸承座油封	Seal Of Ballscrew Bearing Block	TC24-42-8×1 / TC26-42-8×1 TC20-40-8×1 / TC24-38-8×1
展刀軸承座軸承	Bearing Of Facing Head	7207×2 / 7203×2
展刀軸承座油封	Seal Of Facing Head	TC45-70-8×1 / TC24-40-8×1 / TC24-38-8×1
展刀搪溝頭	Single-Slide Facing Head	FA-610
滑座行程	Slider Stroke	10 mm

Roundness: $\leq 0.003\text{mm}$
Slider Self-Repeatability: $\leq 0.005\text{mm}$ (展刀靜態重複定位)

可接受特殊規格動力頭訂製
We accept Special Spindle Unit Order

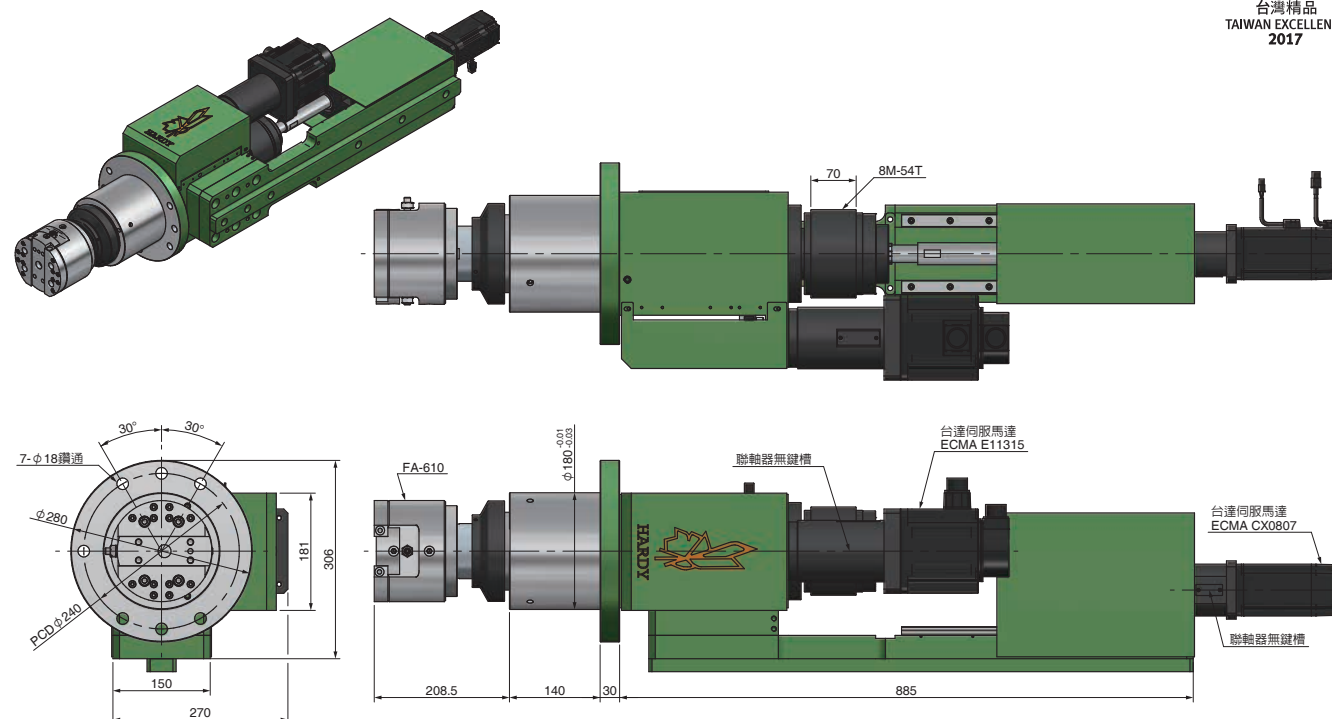


5032# SSFSD12-150 水車伺服展刀動力頭(專利號碼:M510810) Facing Spindle Head-Servo / Flange Type (Patent No.M510810)

SSFSD12-NT40

重量	Weight	kg
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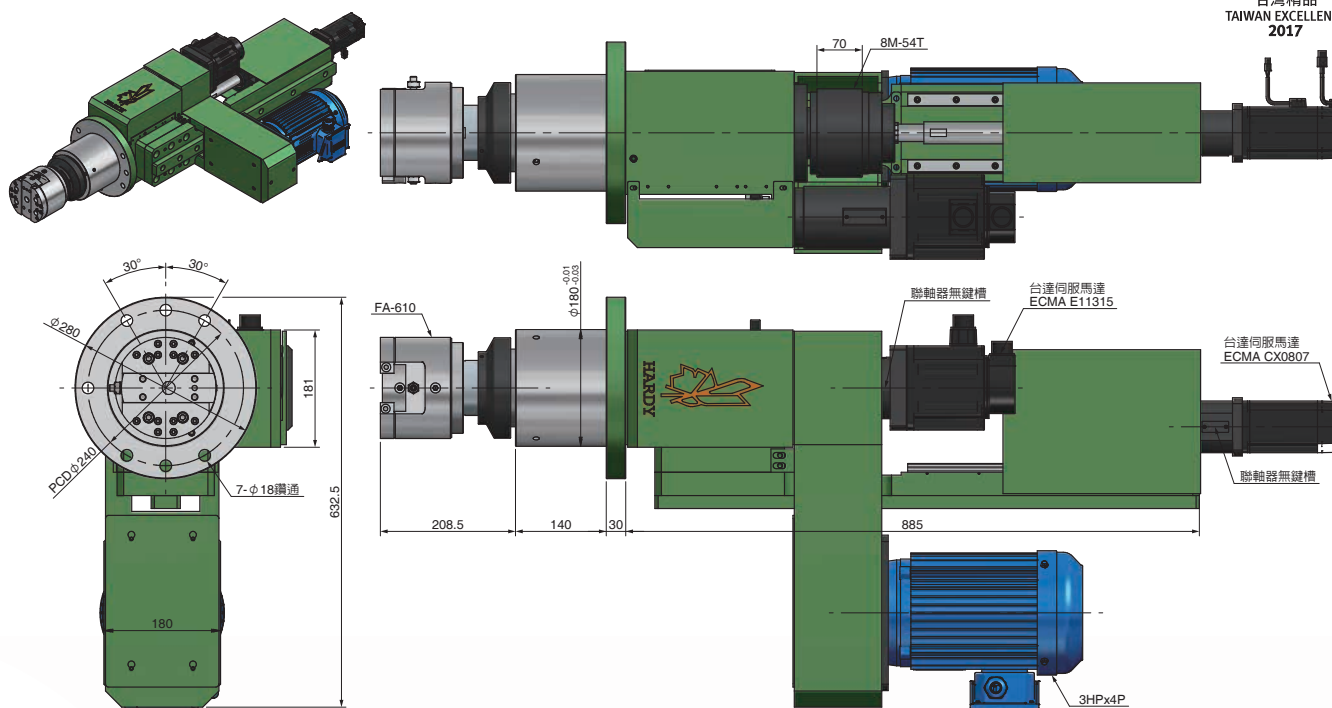
台灣精品
TAIWAN EXCELLENCE
2017



SSFSD12-NT40-MB

重量	Weight	kg
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台灣精品
TAIWAN EXCELLENCE
2017

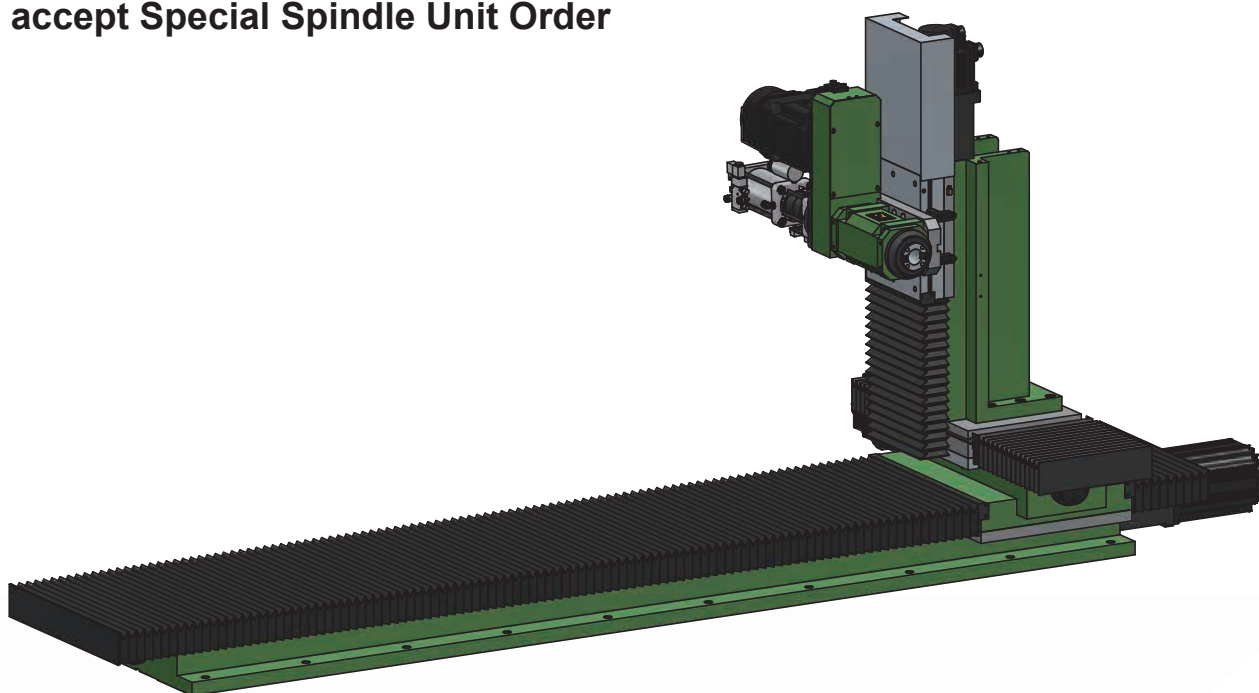


5033# SSFSDL15-150 水車伺服展刀動力頭(專利號碼:M510810) Facing Spindle Head-Servo / Flange Type (Patent No.M510810)

規格	Model	SSFSDL15-150M-FB45
最大行程	Max. Stroke	150mm
最高轉速	Max. RPM	1200
馬力	Horsepower	5HP×4P
主軸皮帶輪	Spindle Pulley	8M-62T×70W
主軸軸承	Spindle Bearing	6014Z×1 / 6012Z×1 32014×1 / 32012×1
皮帶輪軸承	Pulley Bearing	6017ZZ×2
前蓋油封	Front Cover Seal	TC150-180-14×1
主軸油封	Spindle Seal	TC90-110-12×1
活塞O型環	Piston O-ring	P150×2
防水蓋O型環	Front Cover O-ring	G120×1 / G150×1
進給螺桿	Spindle Feeding Ball Screw	φ 32×5×C5
展刀螺桿	Facing Head Slider Ball Screw	φ 20×5×C5
螺桿軸承座軸承	Bearing Of Ballscrew Bearing Block	7205×2 / 7203×2
螺桿軸承座油封	Seal Of Ballscrew Bearing Block	TC30-50-10×2 TC20-40-8×1 / TC24-38-8×1
展刀軸承座軸承	Bearing Of Facing Head	7207×2 / 7203×2
展刀軸承座油封	Seal Of Facing Head	TC45-70-8×1 / TC24-40-8×1 / TC24-38-8×1
展刀搪溝頭	Single-Slide Facing Head	FA-610
滑座行程	Slider Stroke	10 mm

Roundness: $\leq 0.003\text{mm}$
Slider Self-Repeatability: $\leq 0.005\text{mm}$ (展刀靜態重複定位)

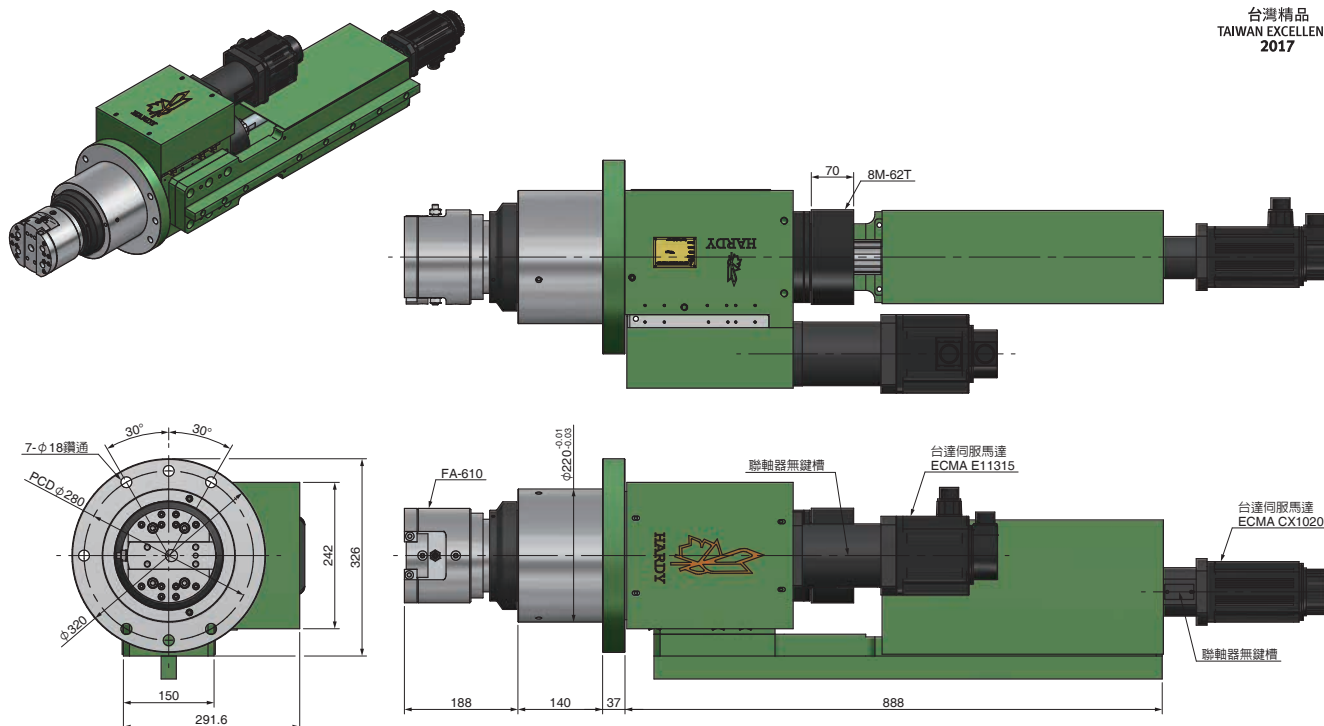
可接受特殊規格動力頭訂製
We accept Special Spindle Unit Order



5033# SSFSDL15-150 水車伺服展刀動力頭(專利號碼:M510810) Facing Spindle Head-Servo / Flange Type (Patent No.M510810)

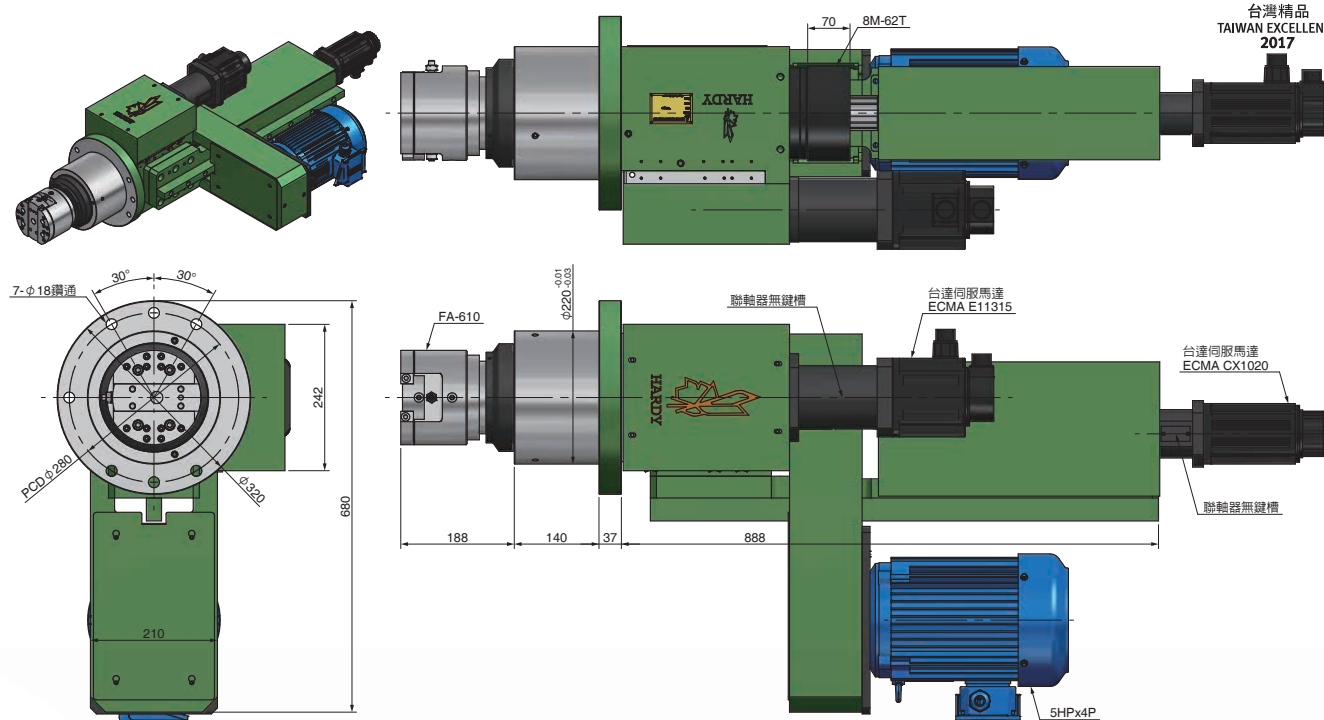
SSFSDL15-FB45

重量	Weight	kg
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SSFSDL15-FB45-MB

重量	Weight	kg
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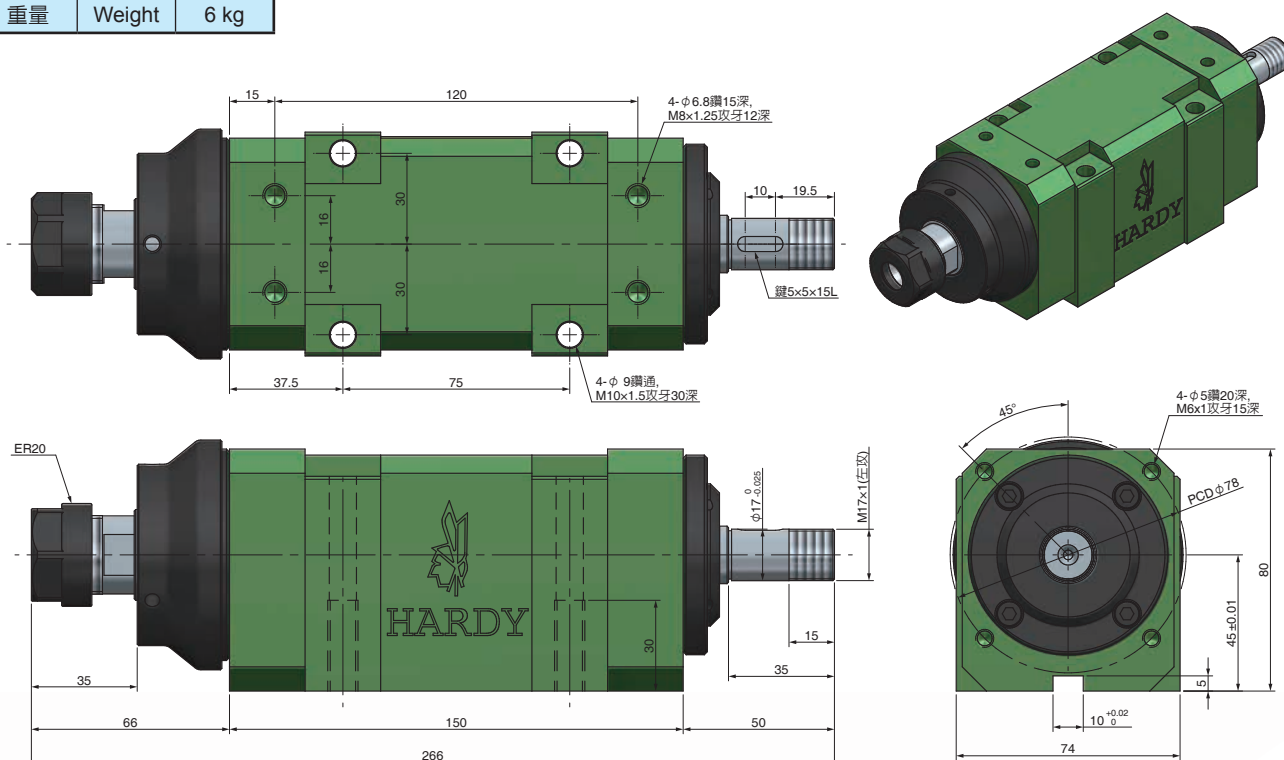
5034# S25 搪銑主軸頭 Boring & Milling Head Unit

規格	Model	S25	S25H
主軸	Spindle	ER20	
最高轉速	Max. RPM	4000	12000
軸承	Bearing	32005 / 6005Z 32004 / 6004Z	7005×2 7004×2
真圓度	Roundness	Within 0.003mm 內	
最大動力	Max. Power	Within 1/2 HP 內	
溫升	Rising Temperature	Within 20°C 內	

★出廠附精度檢驗表

S25-ER20

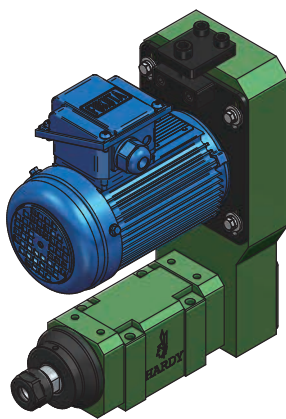
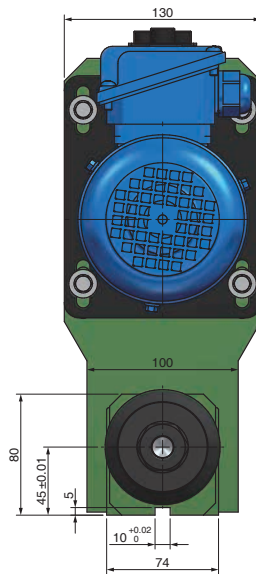
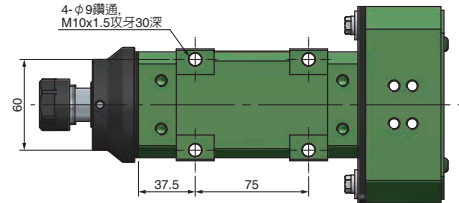
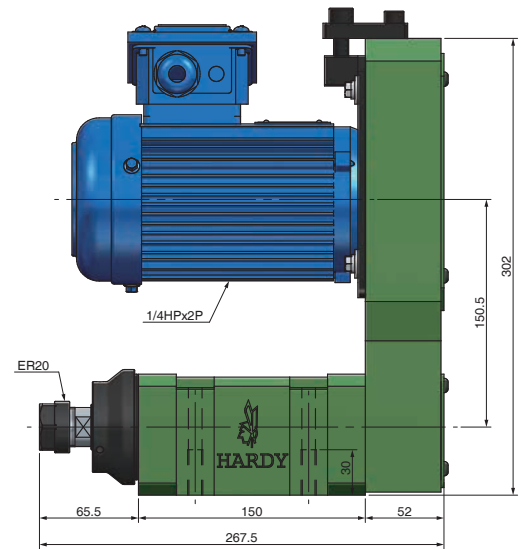
重量	Weight	6 kg
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5034# S25 搪銑主軸頭 Boring & Milling Head Unit

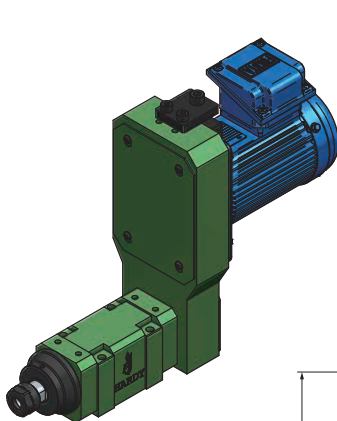
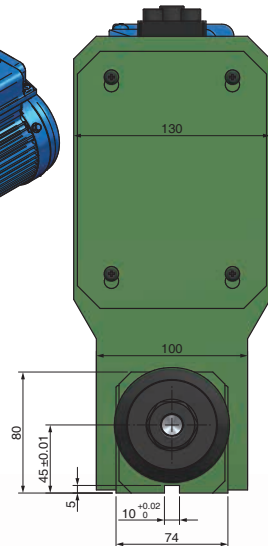
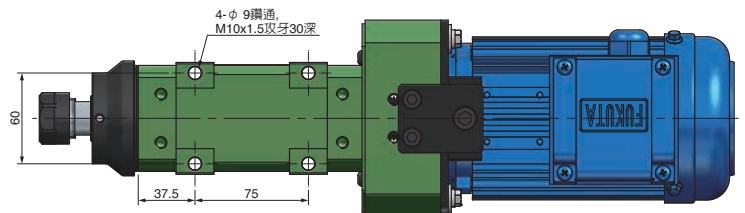
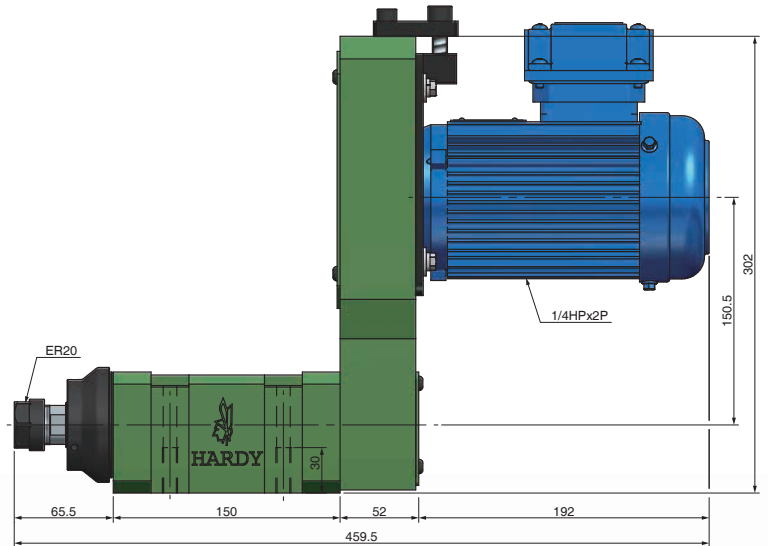
S25-ER20-MF

重量	Weight	18 kg
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S25-ER20-MB

重量	Weight	18 kg
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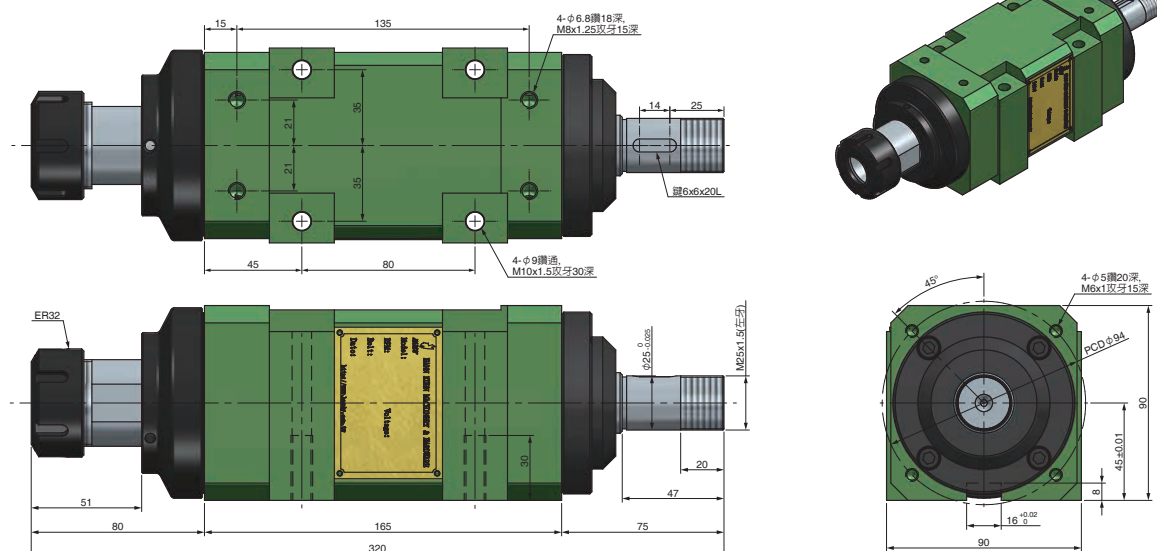
5035# S35 搪銑主軸頭 Boring & Milling Head Unit

規格	Model	S35	S35H
主軸	Spindle	MT3 or ER32	
最高轉速	Max. RPM	3000	10000
軸承	Bearing	32007 / 6007Z 32006 / 6006Z	7007×2 7006×2
真圓度	Roundness	Within 0.003mm 內	
最大動力	Max. Power	Within 1 HP 內	
溫升	Rising Temperature	Within 20°C 內	

★出廠附精度檢驗表

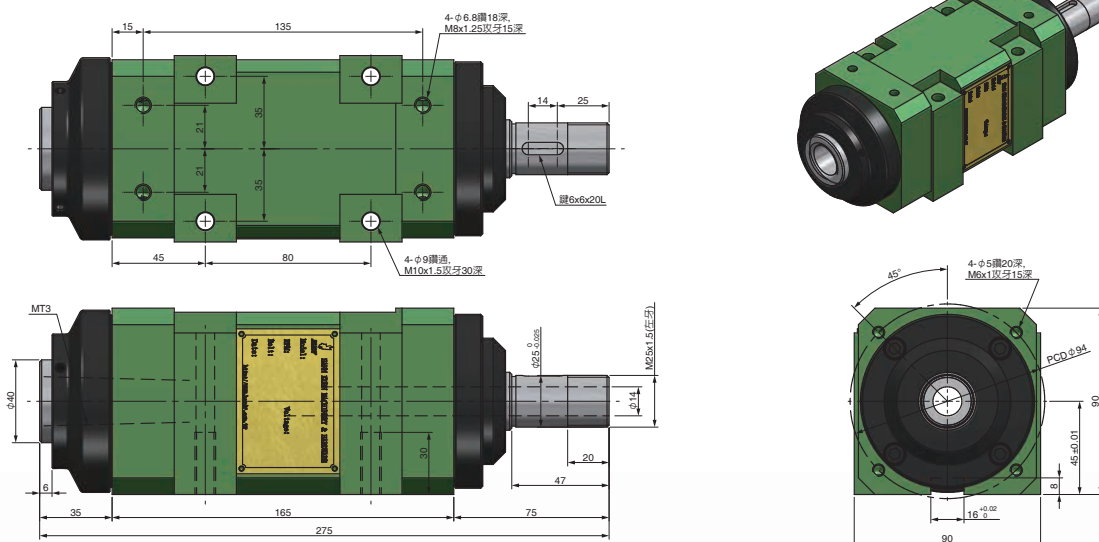
S35-ER32

重量	Weight	9 kg
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S35-MT3

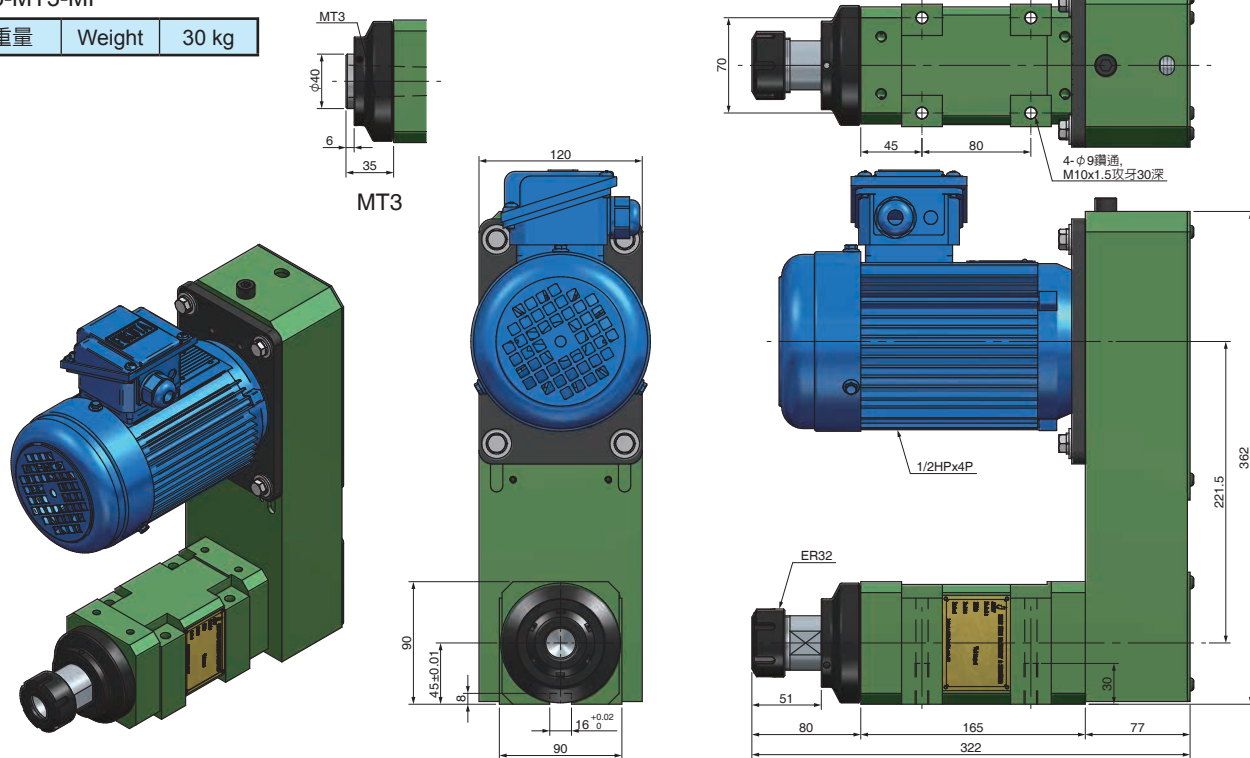
重量	Weight	9 kg
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5035# S35 搪銑主軸頭 Boring & Milling Head Unit

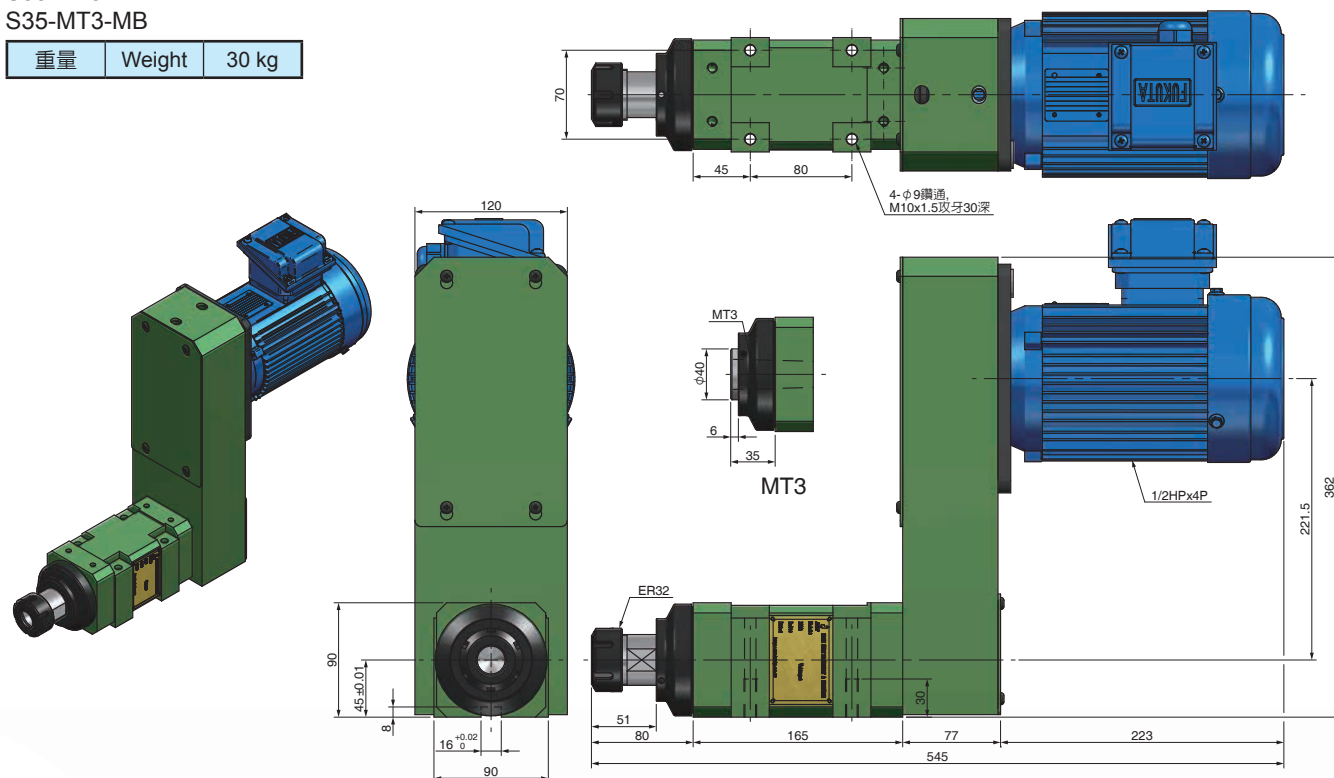
S35-ER32-MF
S35-MT3-MF

重量	Weight	30 kg
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S35-ER32-MB
S35-MT3-MB

重量	Weight	30 kg
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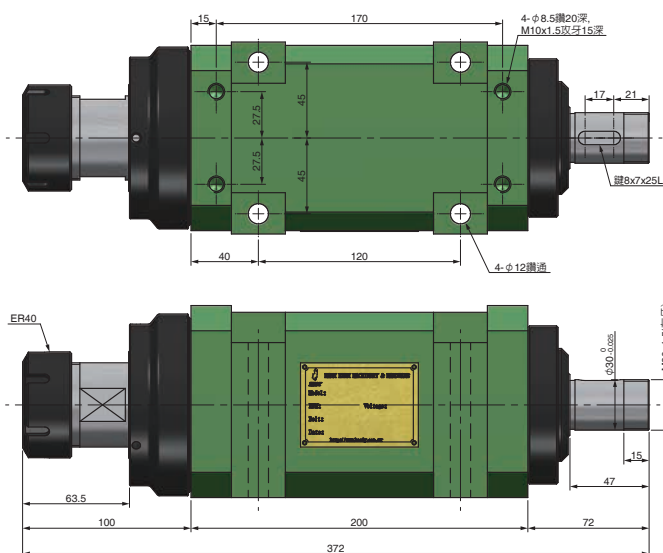
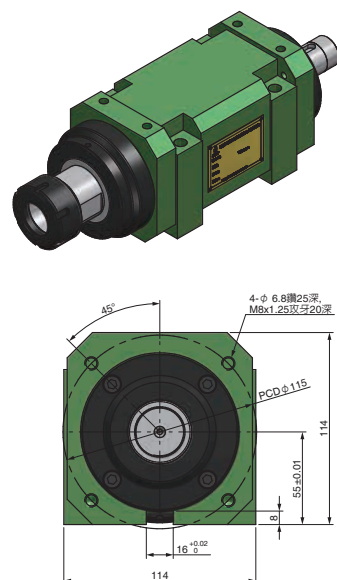
搪銑主軸頭 Boring & Milling Head Unit

規格	Model	S45	S45H
主軸	Spindle	NT30 or ER40	
最高轉速	Max. RPM	2500	8000
軸承	Bearing	32009 / 6009Z 32008 / 6008Z	7009×2 7008×2
真圓度	Roundness	Within 0.003mm 内	
最大動力	Max. Power	Within 2 HP 内	
溫升	Rising Temperature	Within 20°C 内	

★出廠附精度檢驗表

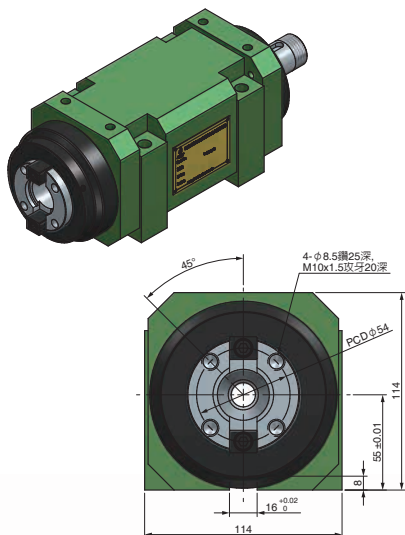
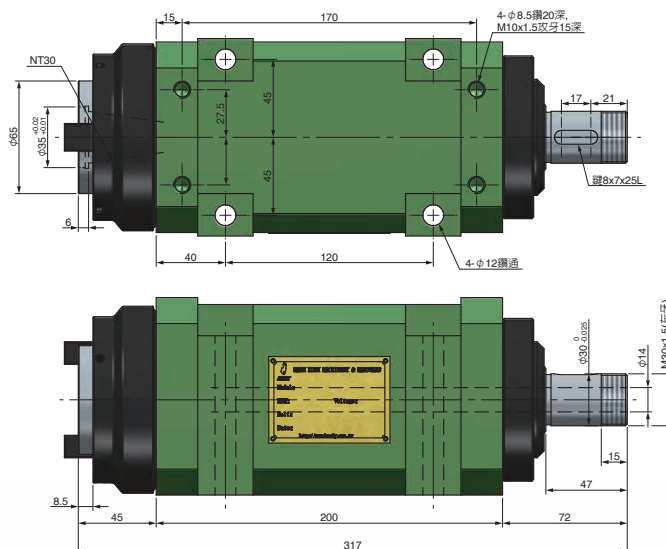
S45-ER40

重量	Weight	17 kg
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S45-NT30

重量	Weight	17 kg
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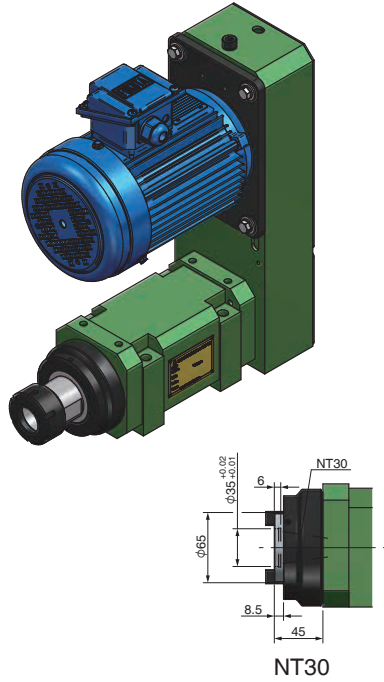
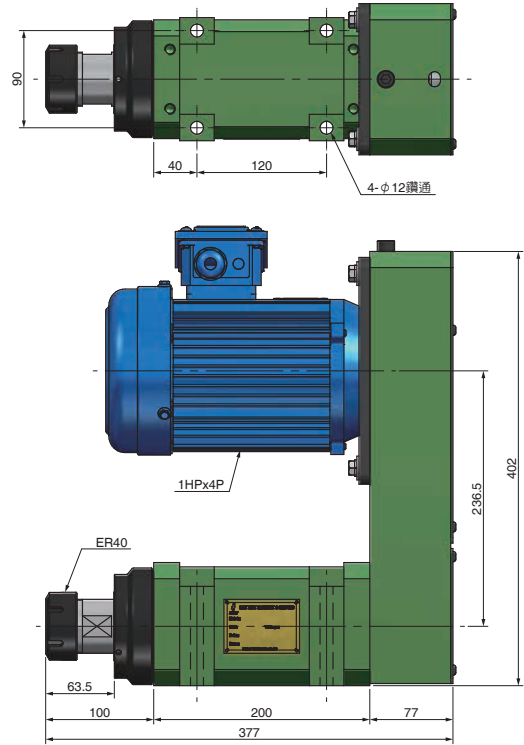


5036# S45 搪銑主軸頭 Boring & Milling Head Unit

S45-ER40-MF

S45-NT30-MF

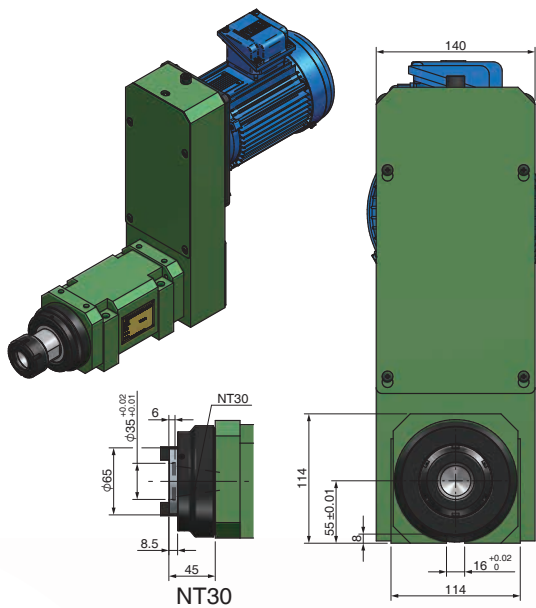
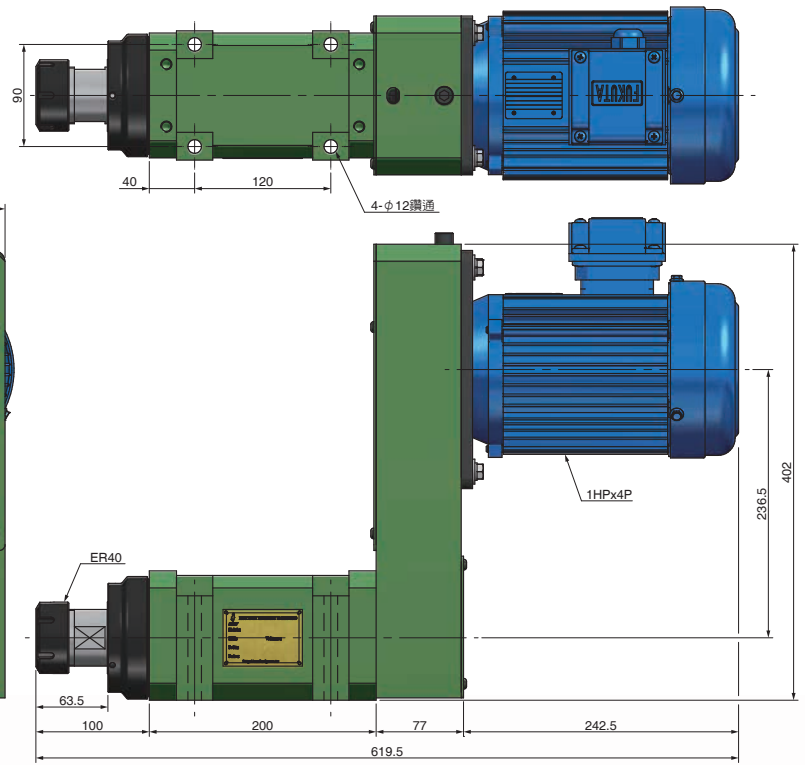
重量	Weight	45 kg
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S45-ER40-MB

S45-NT30-MB

重量	Weight	45 kg
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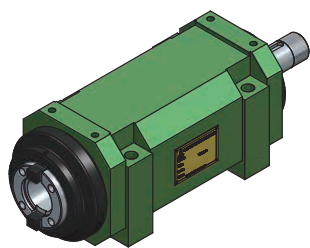
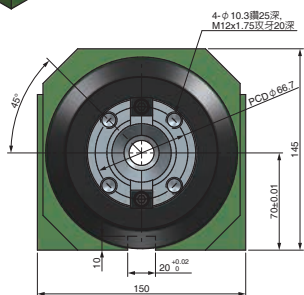
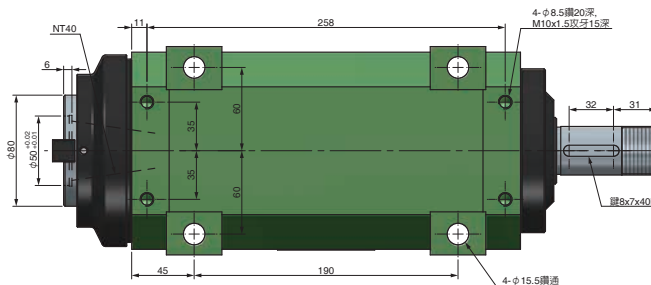
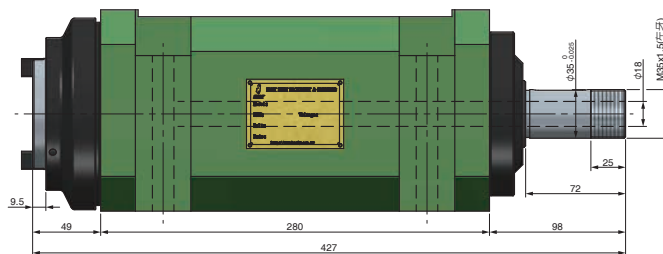
搪銑主軸頭 Boring & Milling Head Unit

規格	Model	S55	S55H
主軸	Spindle	NT40 or MT4	
最高轉速	Max. RPM	2000	6000
軸承	Bearing	32011 / 6011Z 32010 / 6010Z	7011×2 7010×2
真圓度	Roundness	Within 0.003mm 内	
最大動力	Max. Power	Within 3 HP 内	
溫升	Rising Temperature	Within 20°C 内	

★出廠附精度檢驗表

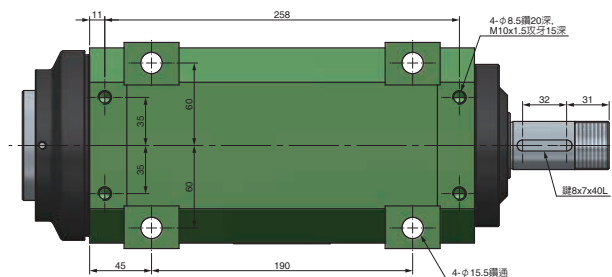
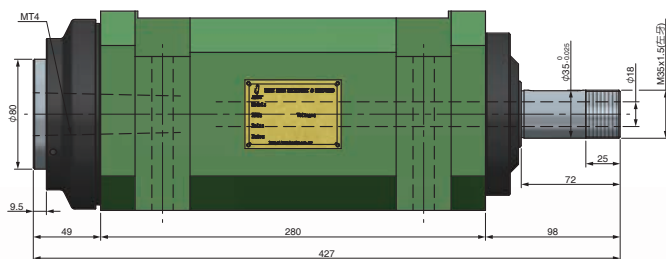
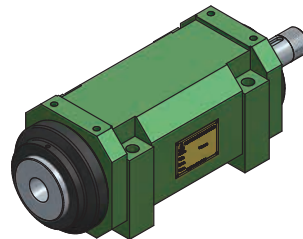
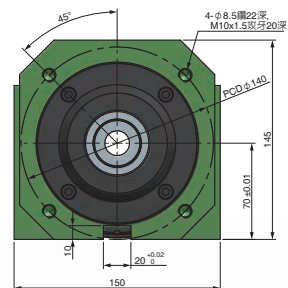
S55-NT40

重量	Weight	34.5 kg
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S55-MT4

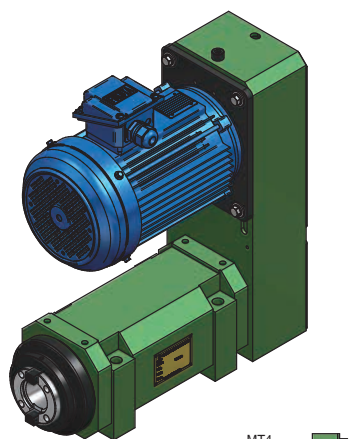
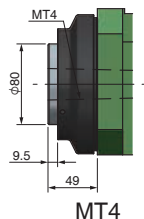
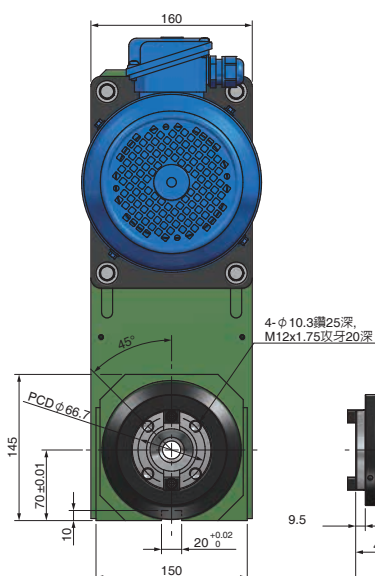
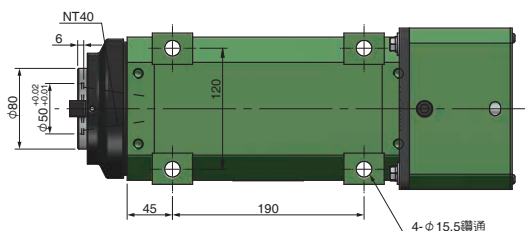
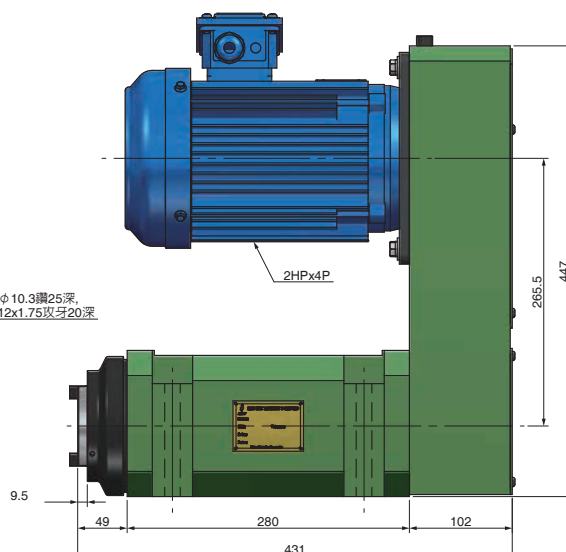
重量	Weight	34.5 kg
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5037# S55 搪銑主軸頭 Boring & Milling Head Unit

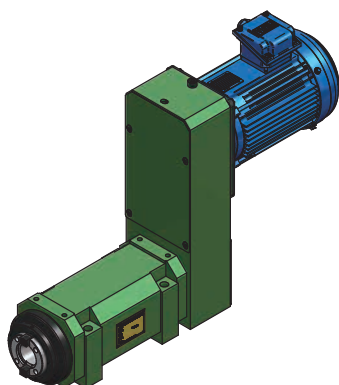
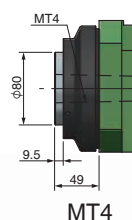
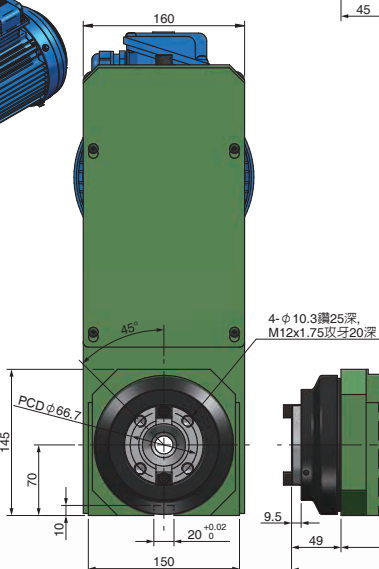
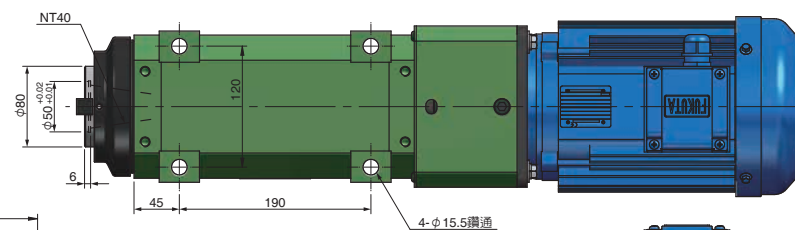
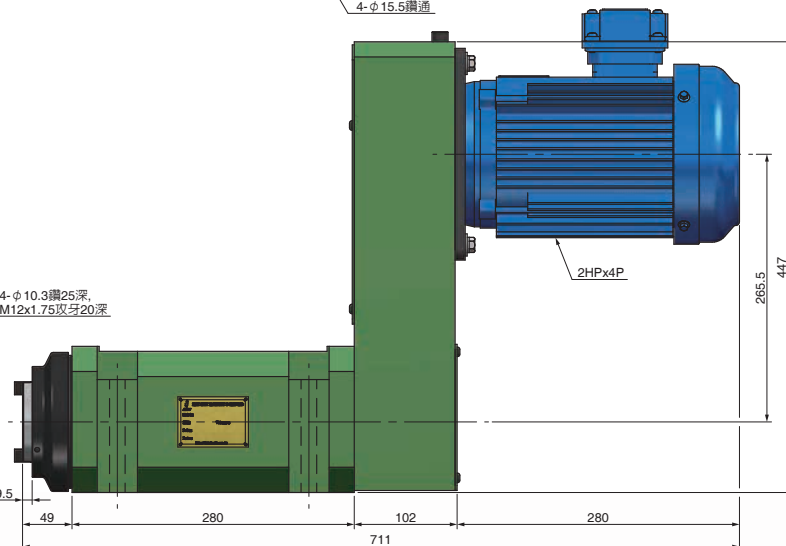
S55-NT40-MF
S55-MT4-MF

重量	Weight	75 kg
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S55-NT40-MB
S55-MT4-MB

重量	Weight	75 kg
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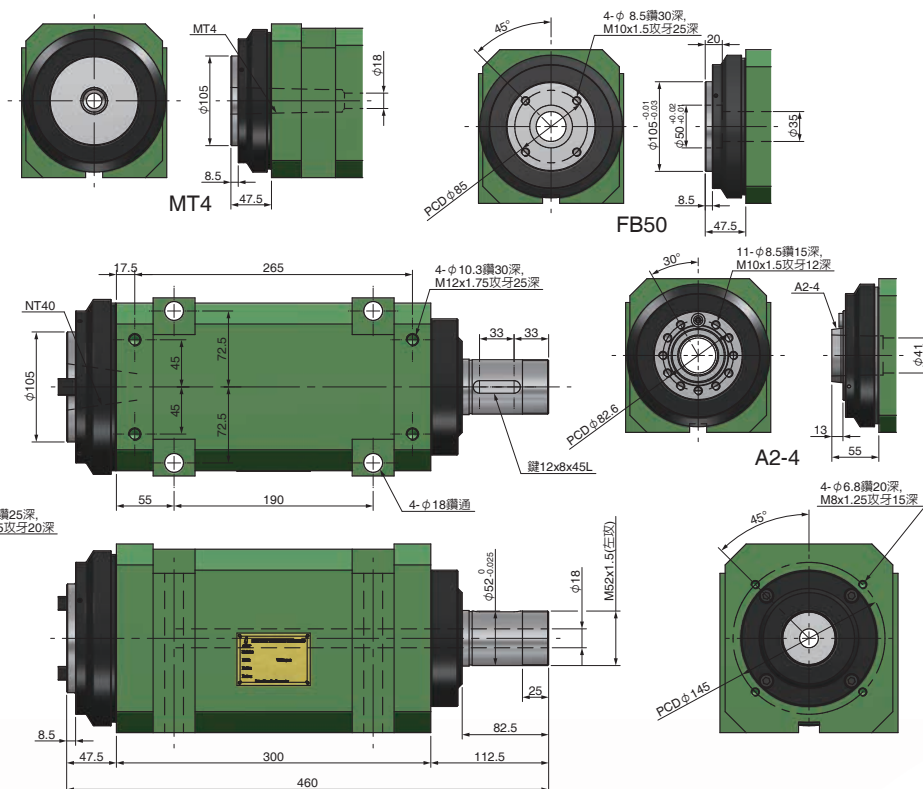
搪銑主軸頭 Boring & Milling Head Unit

規格	Model	S60	S60H
主軸	Spindle	NT40 or A2-4 or FB50 or MT4	
最高轉速	Max. RPM	1800	5000
軸承	Bearing	32211 / 6211Z 32212 / 6212Z	7211×2 7212×2
真圓度	Roundness	Within 0.003mm 内	
最大動力	Max. Power	Within 5 HP 内	
溫升	Rising Temperature	Within 20°C 内	

★出廠附精度檢驗表

S60-NT40
S60-MT4
S60-A₂-4
S60-FB50

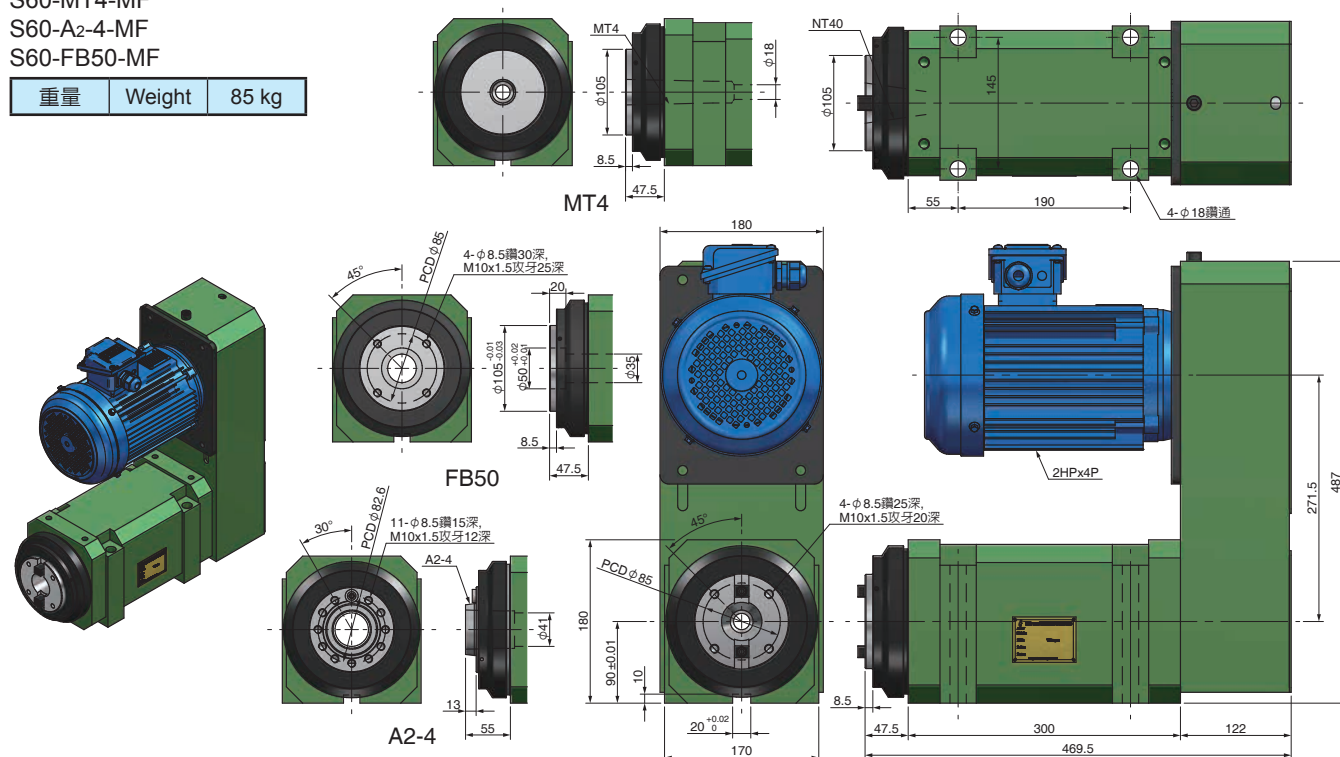
重量	Weight	57 kg
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5038# S60 搪銑主軸頭 Boring & Milling Head Unit

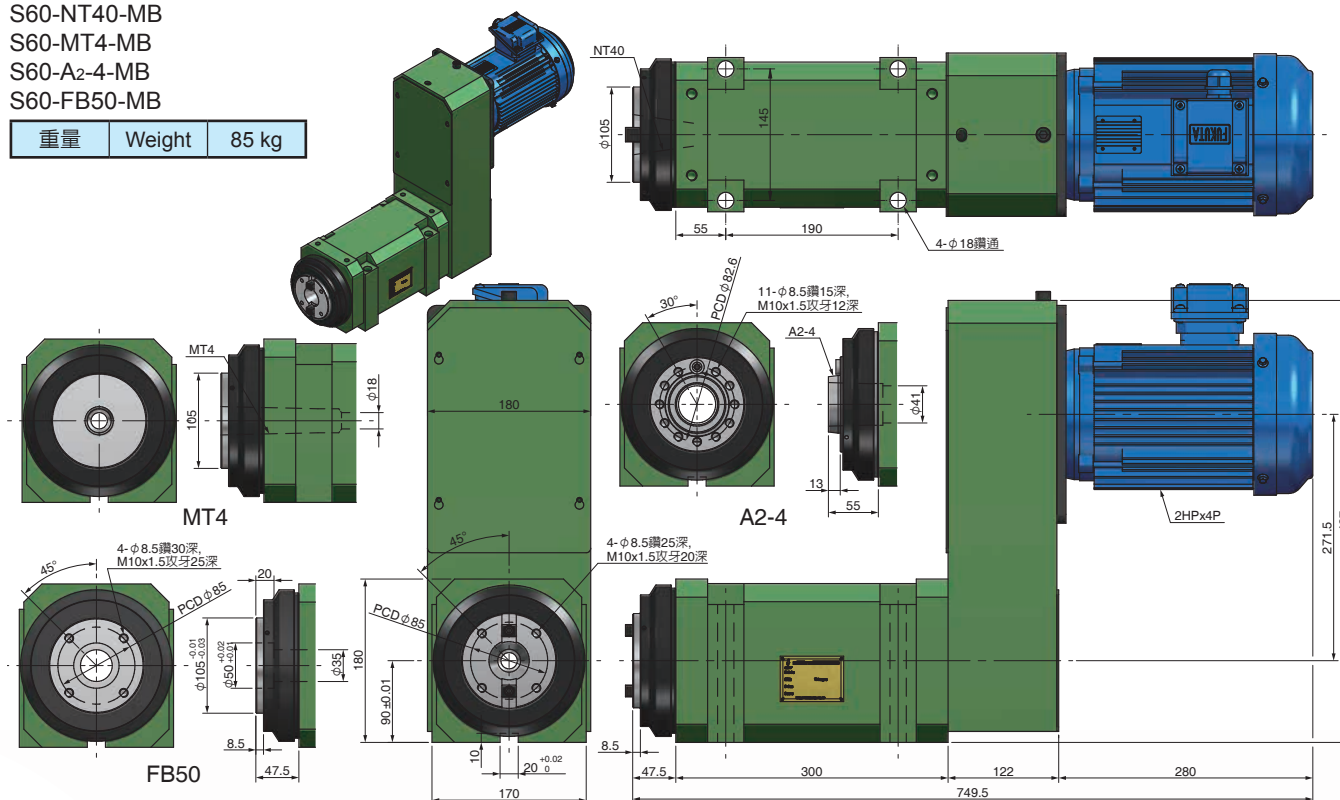
S60-NT40-MF
S60-MT4-MF
S60-A2-4-MF
S60-FB50-MF

重量	Weight	85 kg
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S60-NT40-MB
S60-MT4-MB
S60-A2-4-MB
S60-FB50-MB

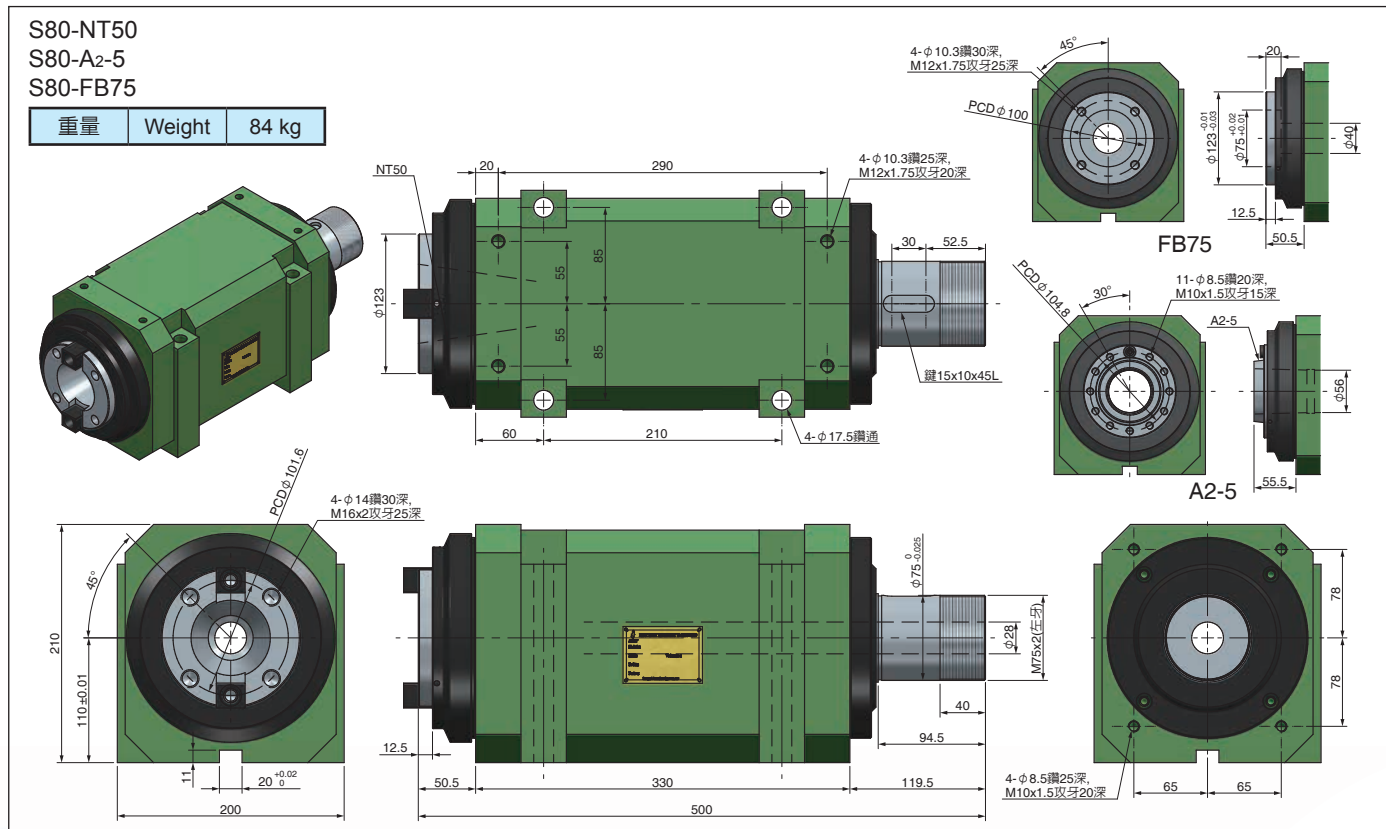
重量	Weight	85 kg
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5039# S80 搪銑主軸頭 Boring & Milling Head Unit

規格	Model	S80	S80H
主軸	Spindle	NT50 or A2-5 or FB75	
最高轉速	Max. RPM	1200	3000
軸承	Bearing	32216×2 6216Z×2	7216×4
真圓度	Roundness	Within 0.003mm 內	
最大動力	Max. Power	Within 7.5 HP 內	
溫升	Rising Temperature	Within 20°C 內	

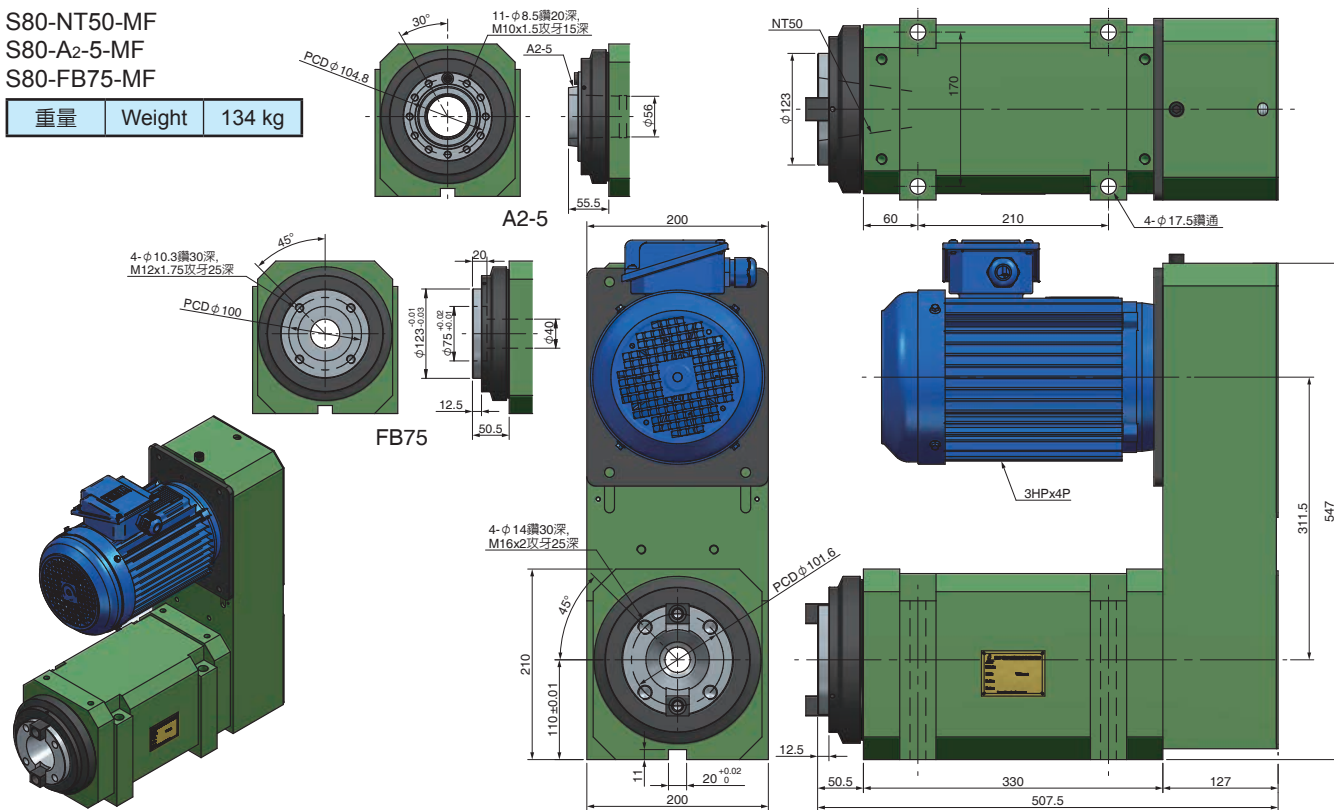
★出廠附精度檢驗表



5039# S80 搪銑主軸頭
Boring & Milling Head Unit

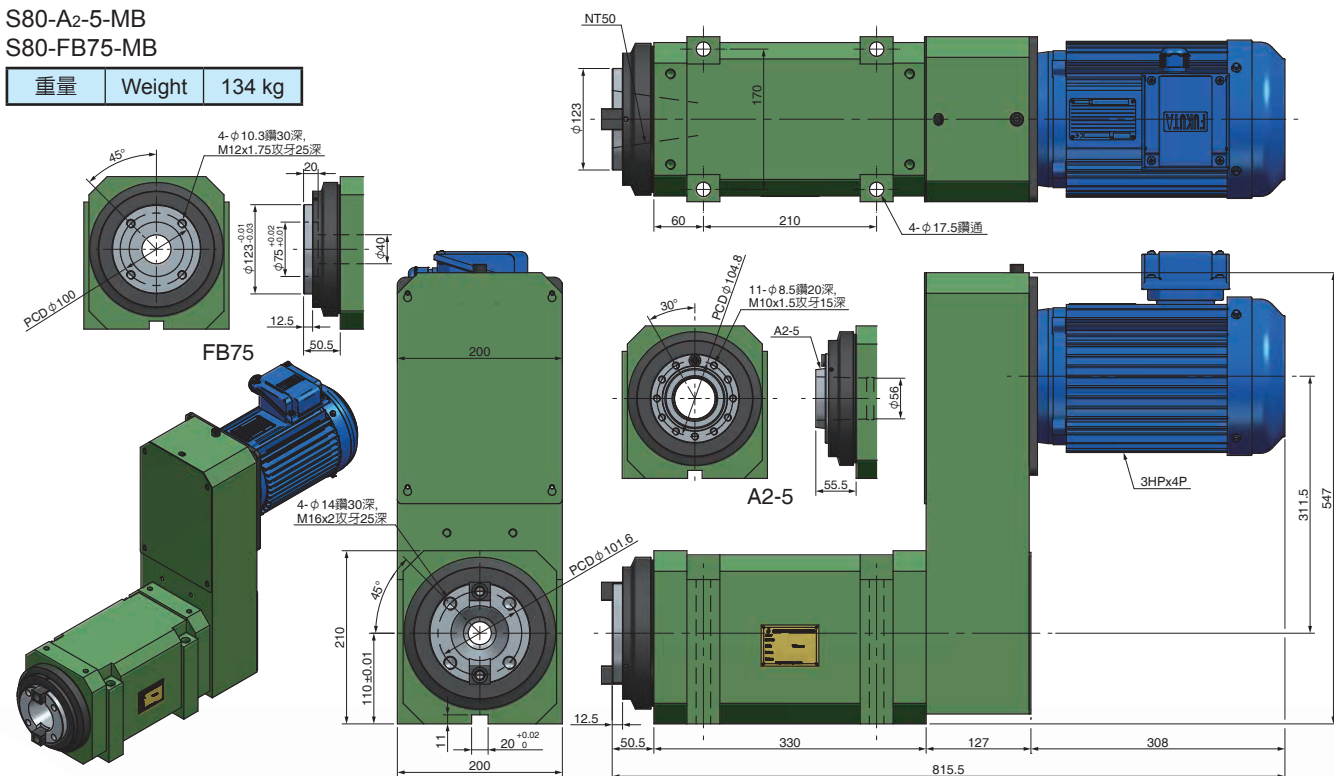
S80-NT50-MF
S80-A₂-5-MF
S80-FB75-MF

重量	Weight	134 kg
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S80-NT50-MB
S80-A₂-5-MB
S80-FB75-MB

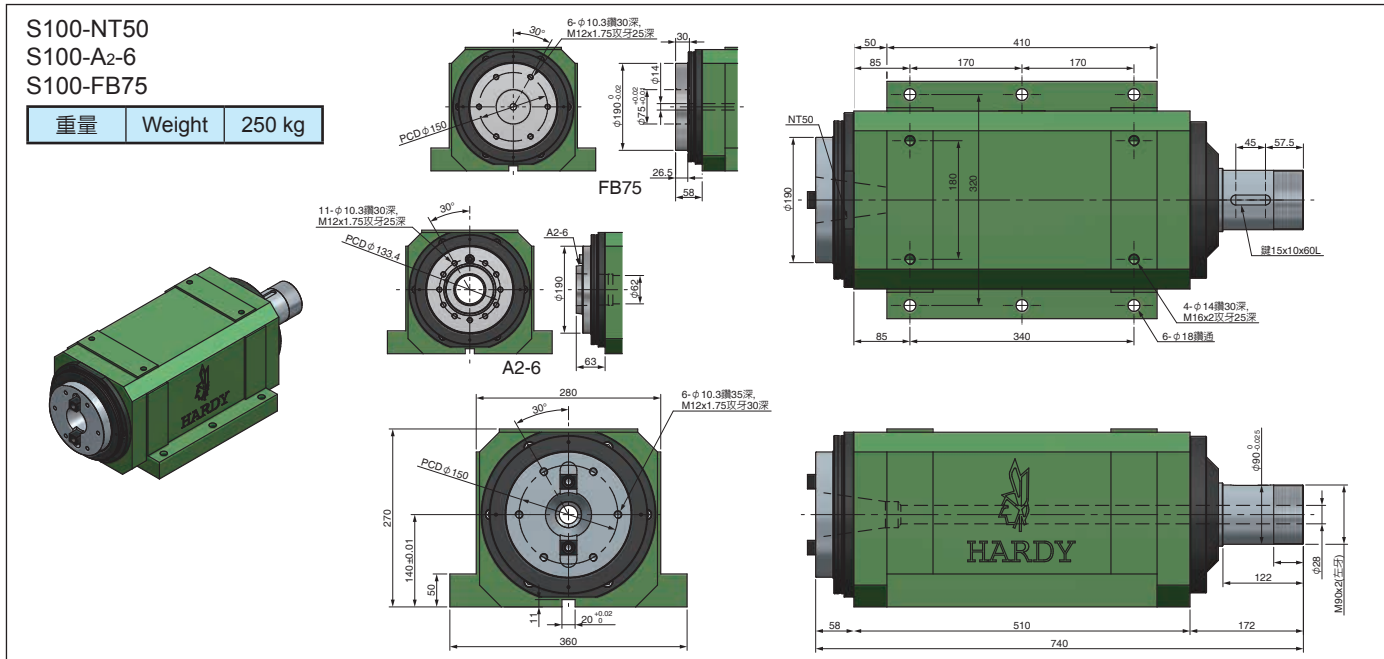
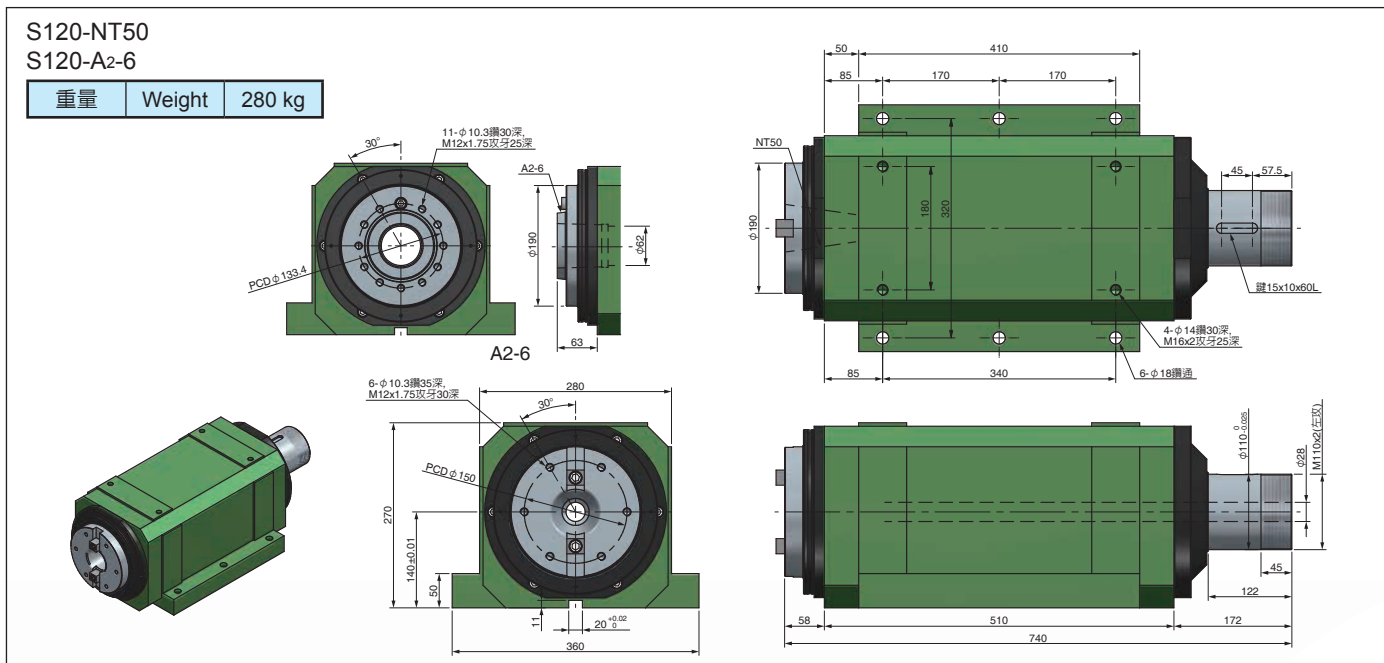
重量	Weight	134 kg
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5040# S100,S120 搪銑主軸頭 Boring & Milling Head Unit

規格	Model	S100	S100H	S120	S120H
主軸	Spindle	NT50 or A2-6 or FB75		NT50 or A2-6	
最高轉速	Max. RPM	800	2500	600	2000
軸承	Bearing	6220Z×2 32220×2	7220×4	6224Z×2 32224×2	7224×4
真圓度	Roundness	Within 0.003mm 內			
最大動力	Max. Power	Within 15 HP 內		Within 20 HP 內	
溫升	Rising Temperature	Within 20°C 內			

★出廠附精度檢驗表



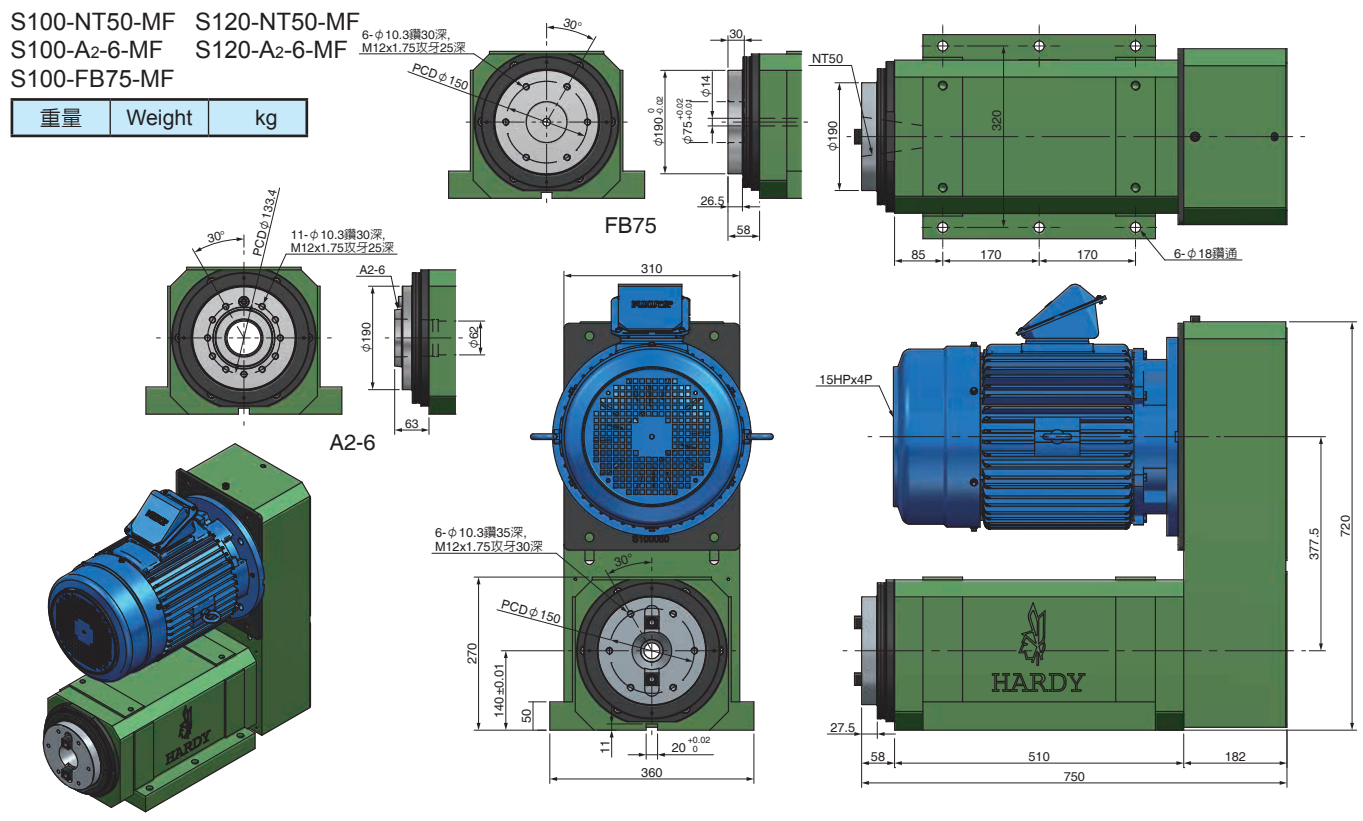
5040# S100,S120 搪銑主軸頭 Boring & Milling Head Unit

S100-NT50-MF S120-NT50-MF

S100-A2-6-MF S120-A2-6-MF

S100-FB75-MF

重量	Weight	kg
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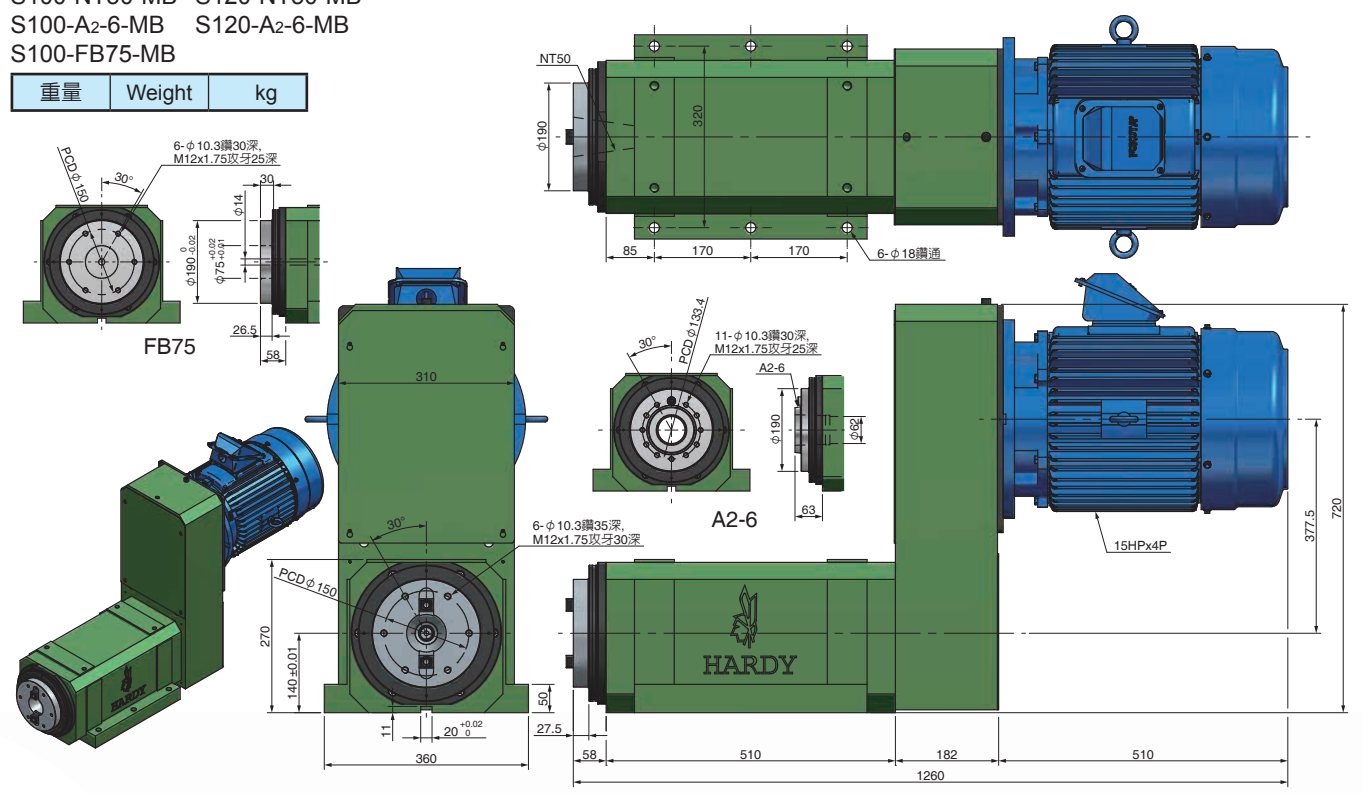


S100-NT50-MB S120-NT50-MB

S100-A2-6-MB S120-A2-6-MB

S100-FB75-MB

重量	Weight	kg
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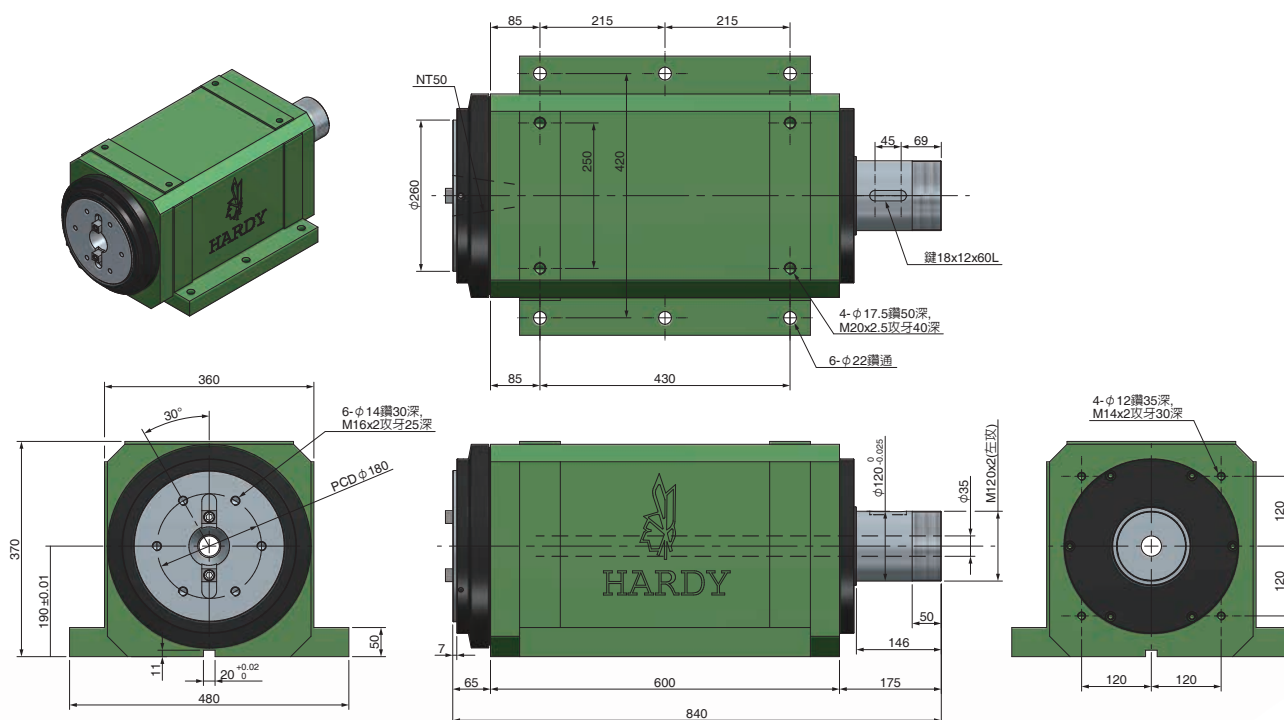
5041# S150 搪銑主軸頭 Boring & Milling Head Unit

規格	Model	S150	S150H
主軸	Spindle	NT50	
最高轉速	Max. RPM	500	1800
軸承	Bearing	32230 / 6230Z 32228 / 6228Z	7230×2 7228×2
真圓度	Roundness	Within 0.003mm 內	
最大動力	Max. Power	Within 20 HP 內	
溫升	Rising Temperature	Within 20°C 內	

★出廠附精度檢驗表

S150-NT50

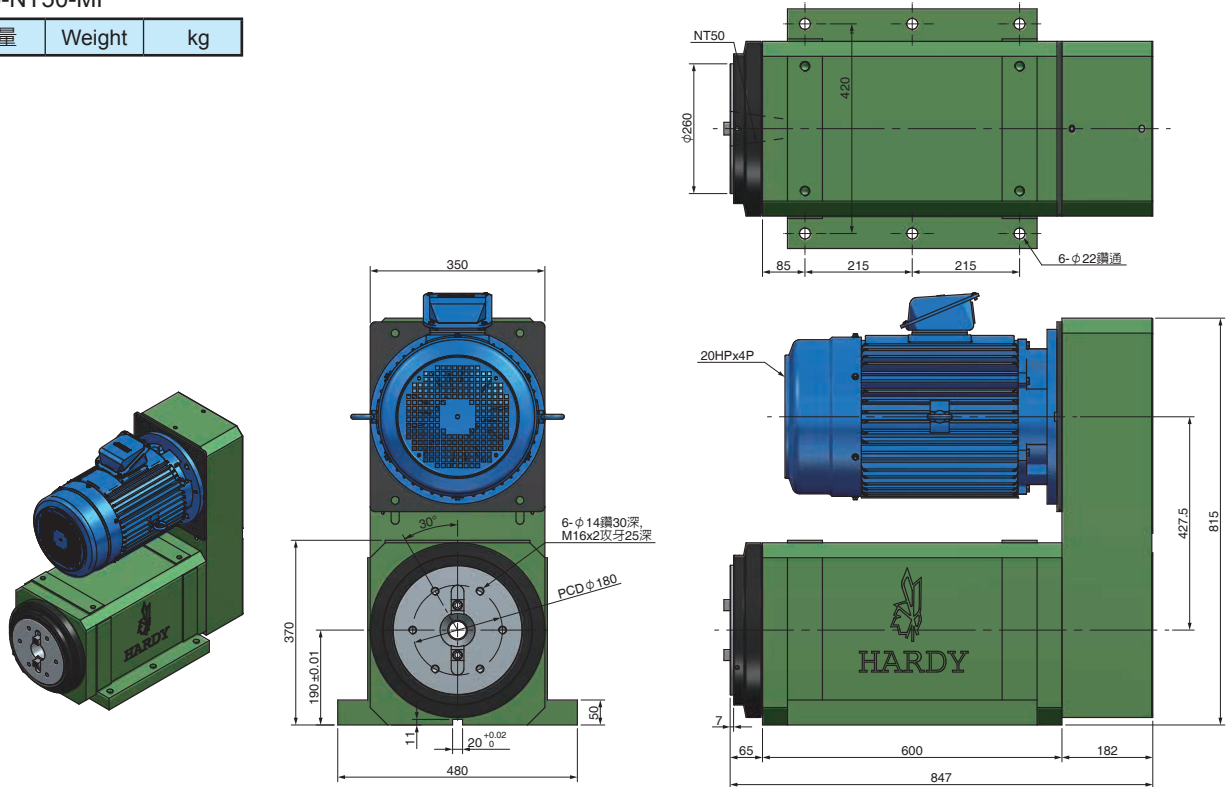
重量	Weight	kg
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5041# S150 搪銑主軸頭 Boring & Milling Head Unit

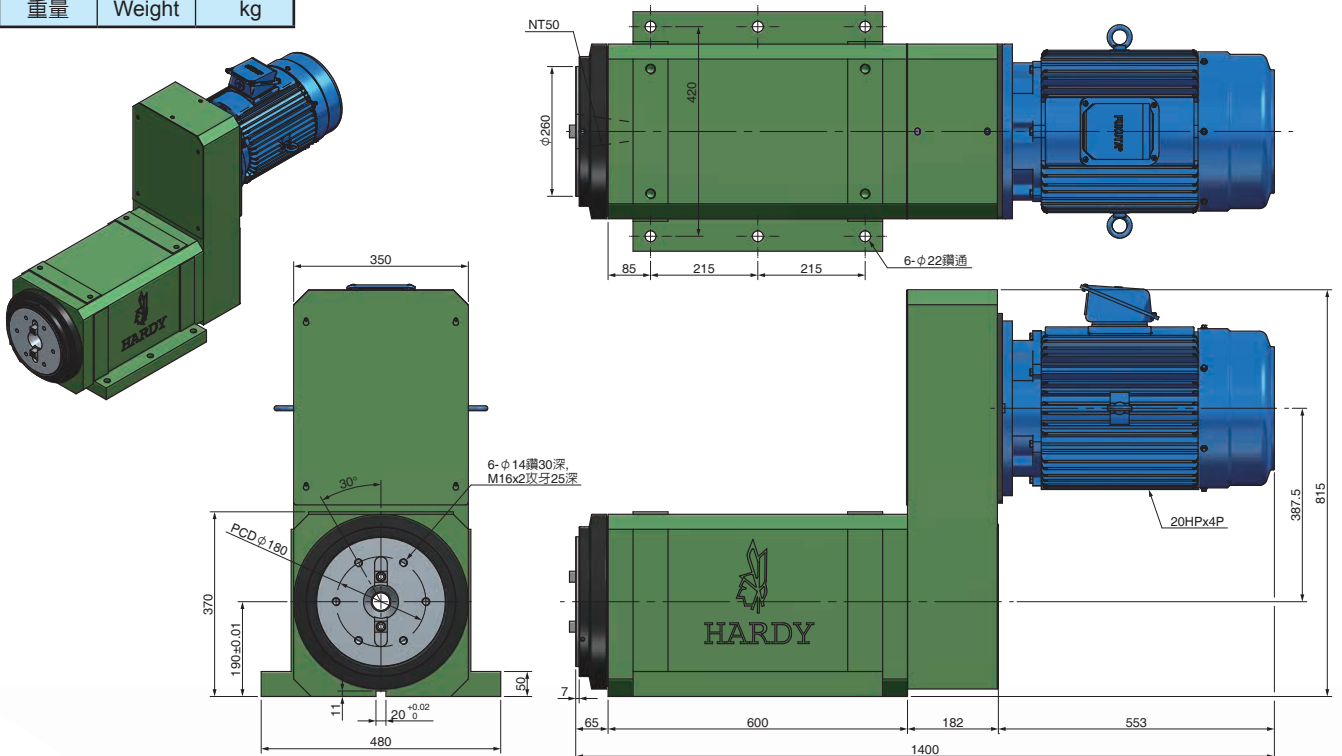
S150-NT50-MF

重量	Weight	kg
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S150-NT50-MB

重量	Weight	kg
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搪銑主軸頭 Boring & Milling Head Unit

★出廠附精度檢驗表

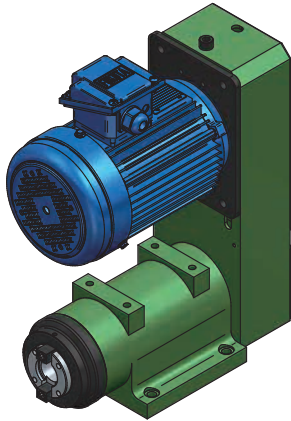
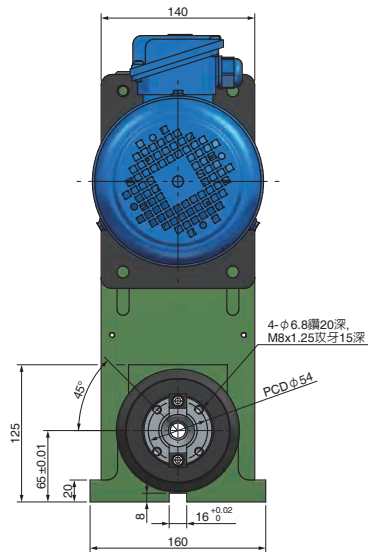
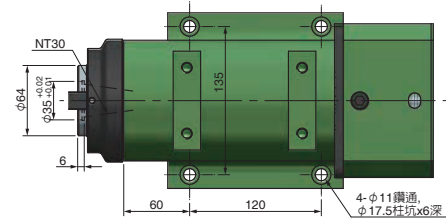
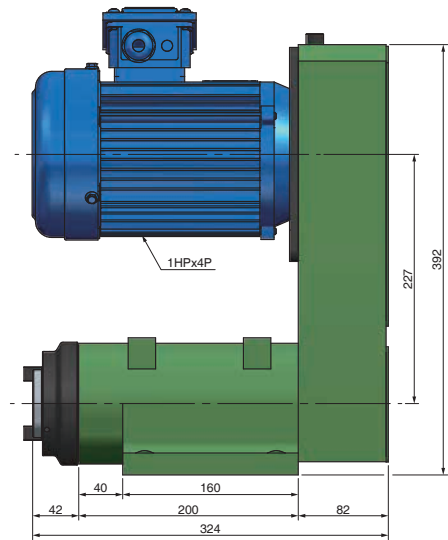
重量	Weight	17 kg
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5042# SR35 搪銑主軸頭 Boring & Milling Head Unit

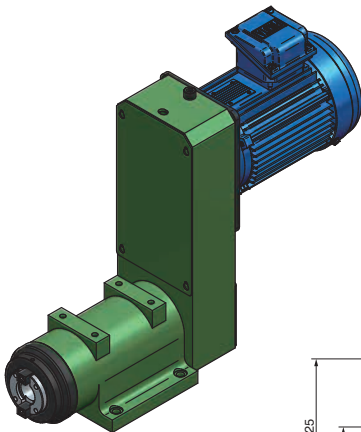
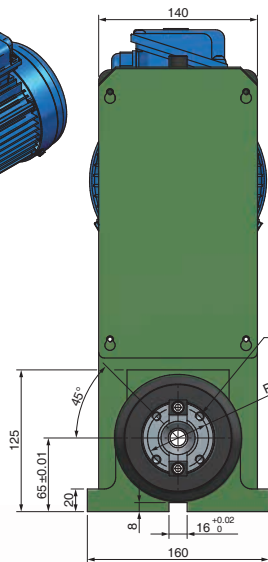
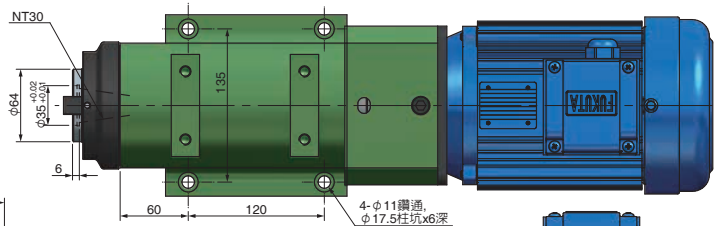
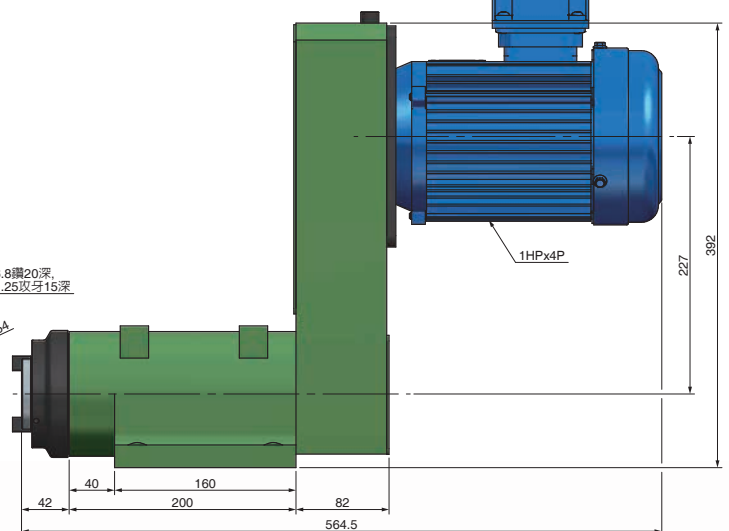
SR35-NT30-MF

重量	Weight	43 kg
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SR35-NT30-MB

重量	Weight	43 kg
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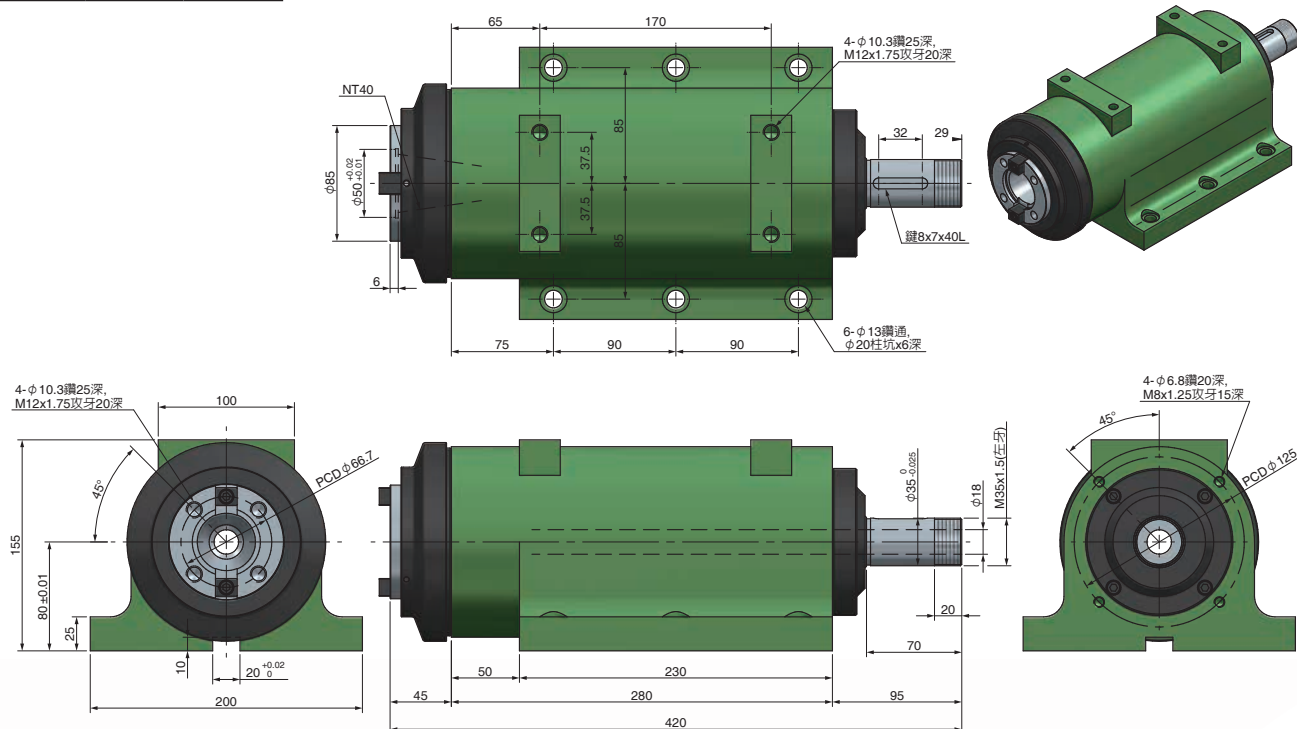
搪銑主軸頭 Boring & Milling Head Unit

規格	Model	SR45	SR45H
主軸	Spindle	NT40	
最高轉速	Max. RPM	2000	6000
軸承	Bearing	32209×1 / 6209Z×1 32208×1 / 6208Z×1	7209×2 7208×2
真圓度	Roundness	Within 0.003mm 内	
最大動力	Max. Power	Within 3 HP 内	
溫升	Rising Temperature	Within 20°C 内	

★出廠附精度檢驗表

SR45-NT40

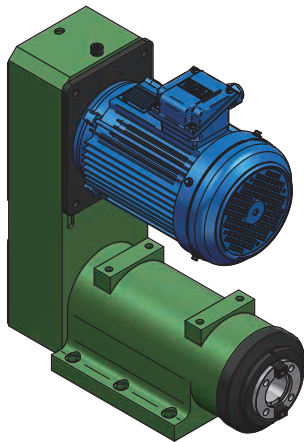
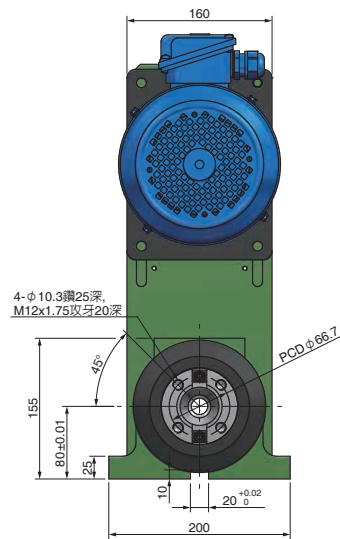
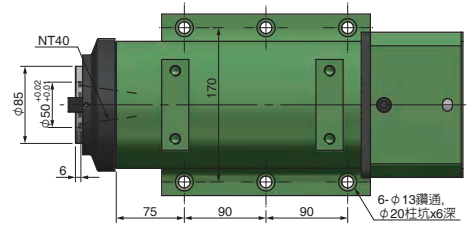
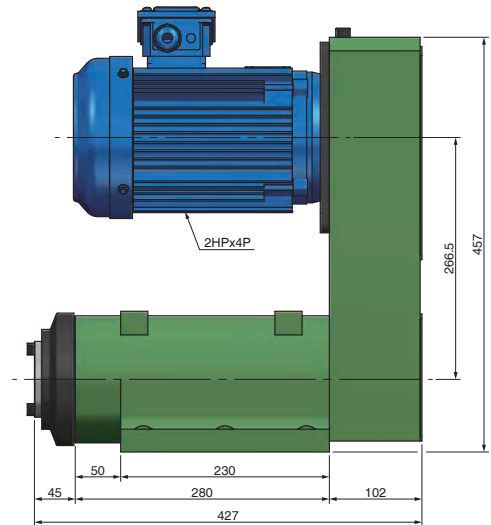
重量	Weight	35 kg
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5043# SR45 搪銑主軸頭 Boring & Milling Head Unit

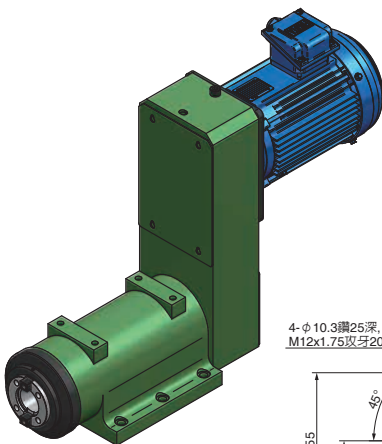
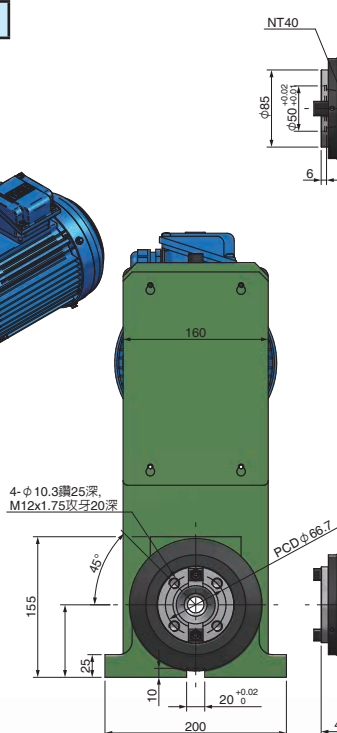
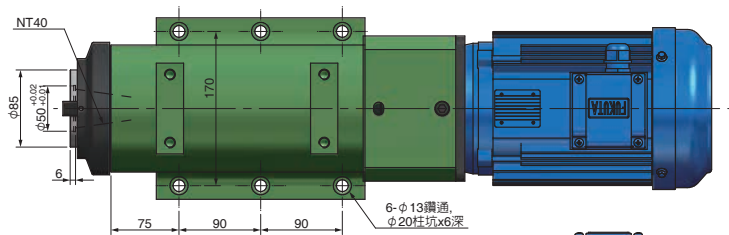
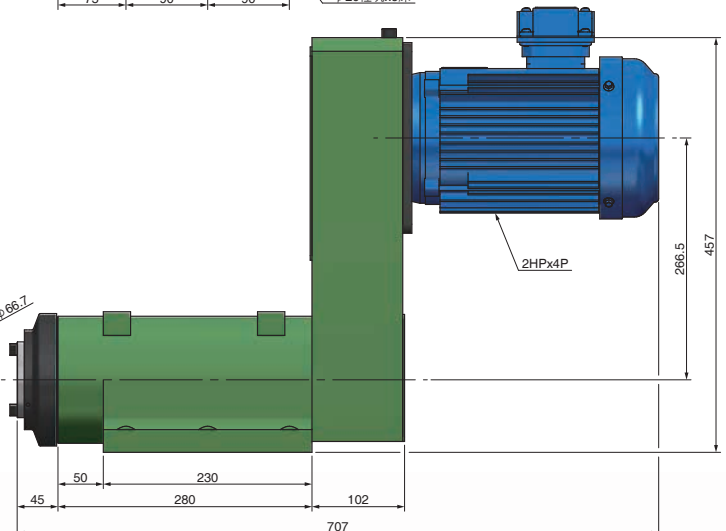
SR45-NT40-MF

重量	Weight	72 kg
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SR45-NT40-MB

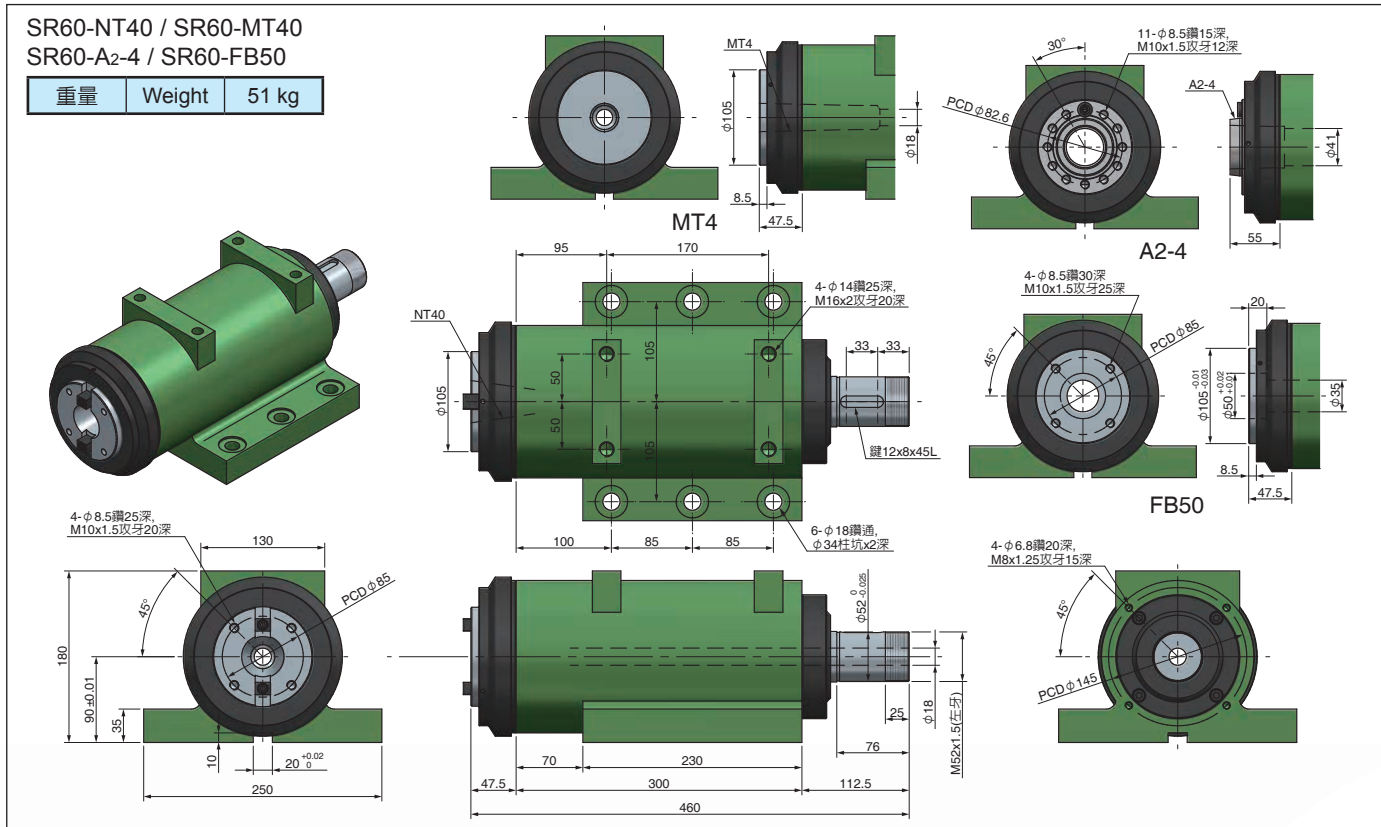
重量	Weight	72 kg
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搪銑主軸頭 Boring & Milling Head Unit

規格	Model	SR60	SR60H
主軸	Spindle	NT40 or A2-4 or FB50 or MT4	
最高轉速	Max. RPM	1800	5000
軸承	Bearing	32211 / 6211Z 32212 / 6212Z	7211×2 7212×2
真圓度	Roundness	Within 0.003mm 内	
最大動力	Max. Power	Within 5 HP 内	
溫升	Rising Temperature	Within 20°C 内	

★出廠附精度檢驗表

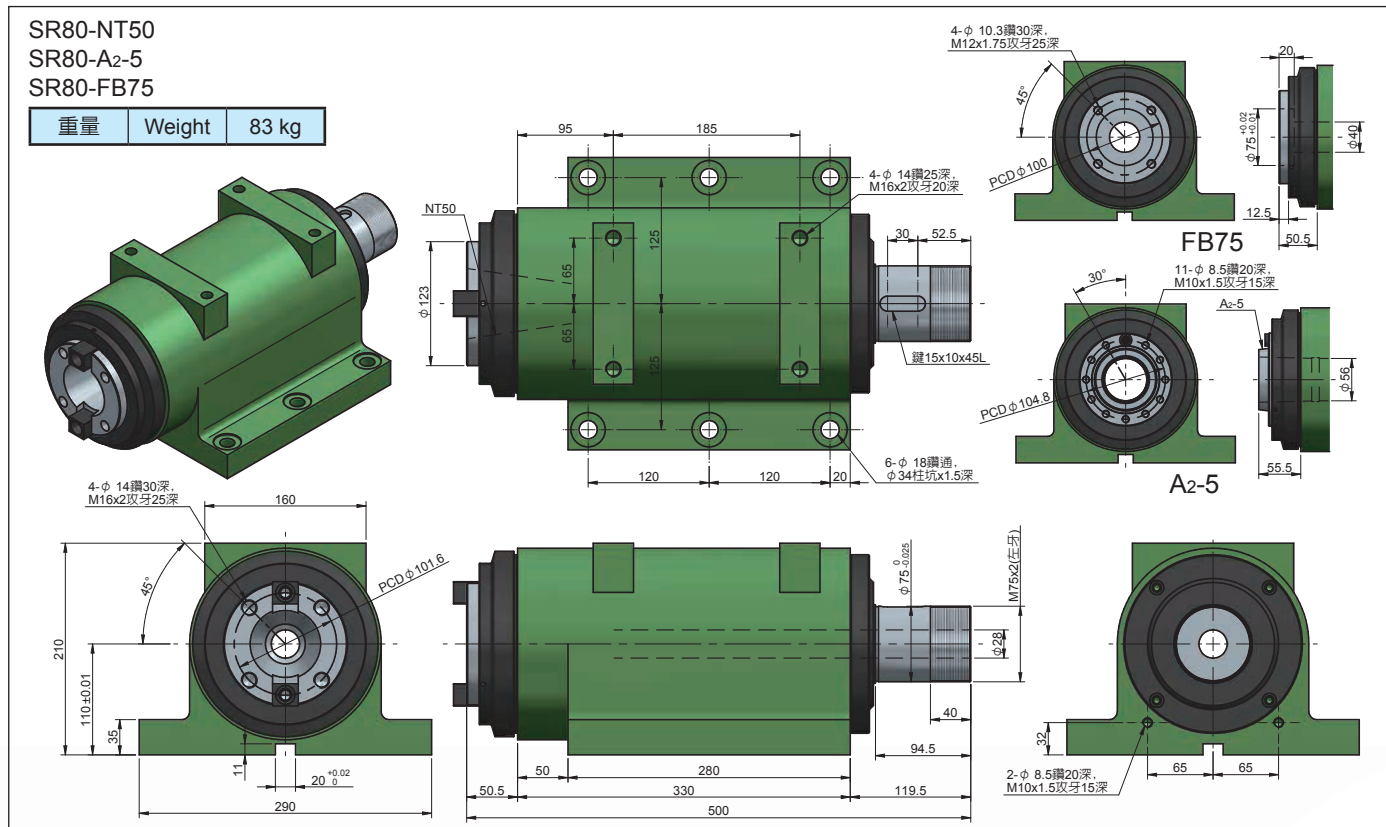


5045# SR80 搪銑主軸頭

Boring & Milling Head Unit

規格	Model	SR80	SR80H
主軸	Spindle	NT50 or A2-5 or FB75	
最高轉速	Max. RPM	1200	3000
軸承	Bearing	32216×2 6216Z×2	7216×4
真圓度	Roundness	Within 0.003mm 內	
最大動力	Max. Power	Within 7.5 HP 內	
溫升	Rising Temperature	Within 20°C 內	

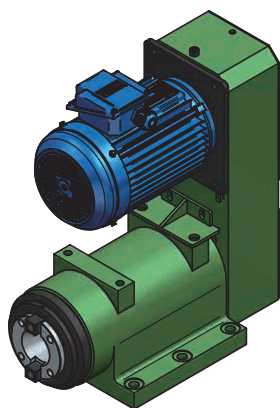
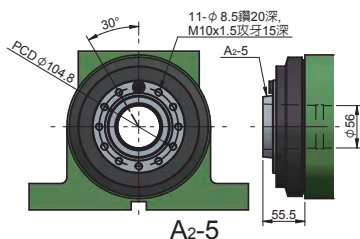
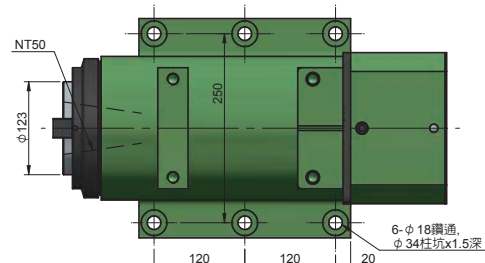
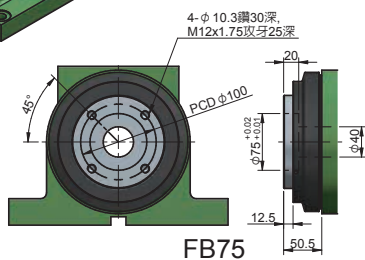
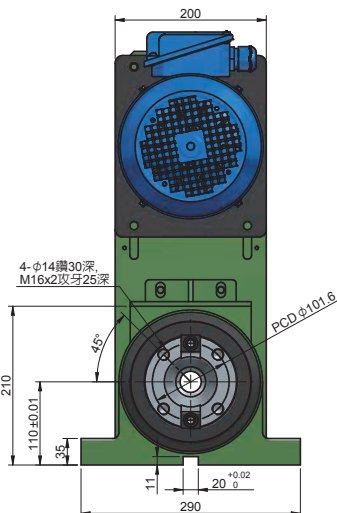
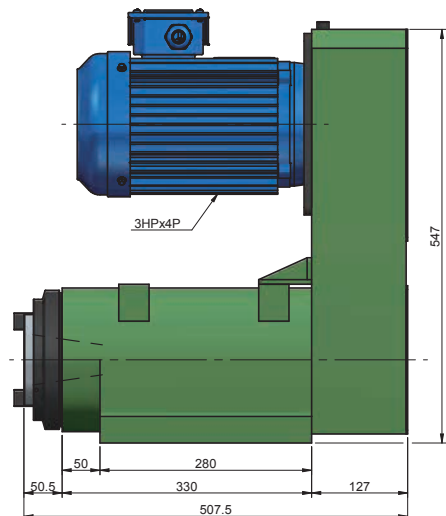
★出廠附精度檢驗表



5045# SR80 搪銑主軸頭 Boring & Milling Head Unit

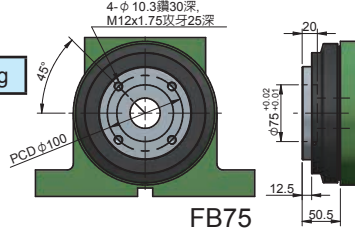
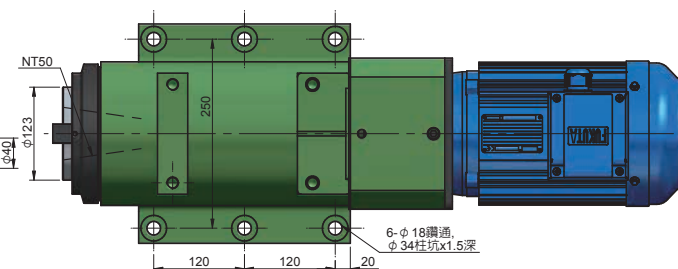
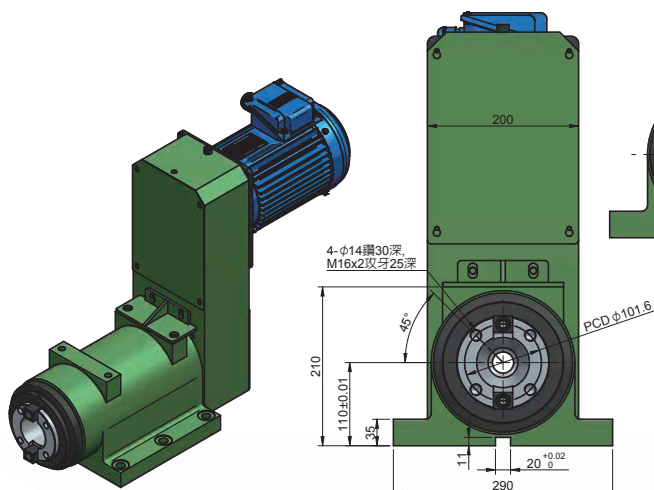
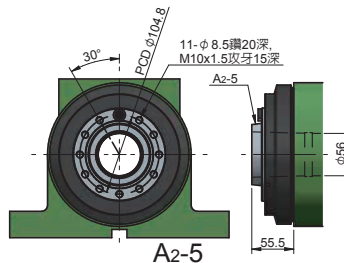
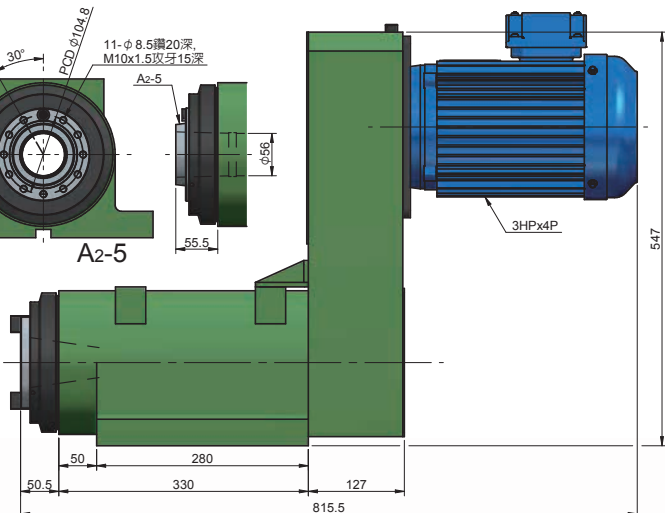
SR80-NT50-MF
SR80-A2-5-MF
SR80-FB75-MF

重量	Weight	133 kg
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SR80-NT50-MB
SR80-A2-5-MB
SR80-FB75-MB

重量	Weight	133 kg
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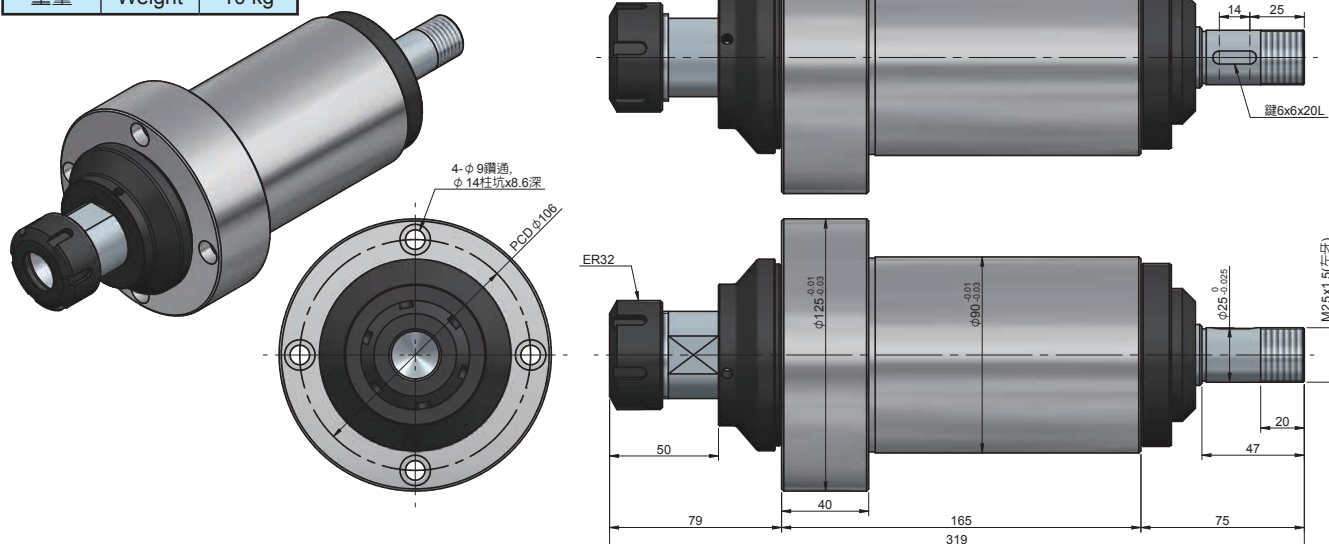
5046# SRR35 搪銑主軸頭 Boring & Milling Head Unit

規格	Model	SRR35	SRR35H
主軸	Spindle	MT3 or ER32	
最高轉速	Max. RPM	3000	10000
軸承	Bearing	32007 / 6007Z 32006 / 6006Z	7007×2 7006×2
真圓度	Roundness	Within 0.003mm 內	
最大動力	Max. Power	Within 1 HP 內	
溫升	Rising Temperature	Within 20°C 內	

★出廠附精度檢驗表

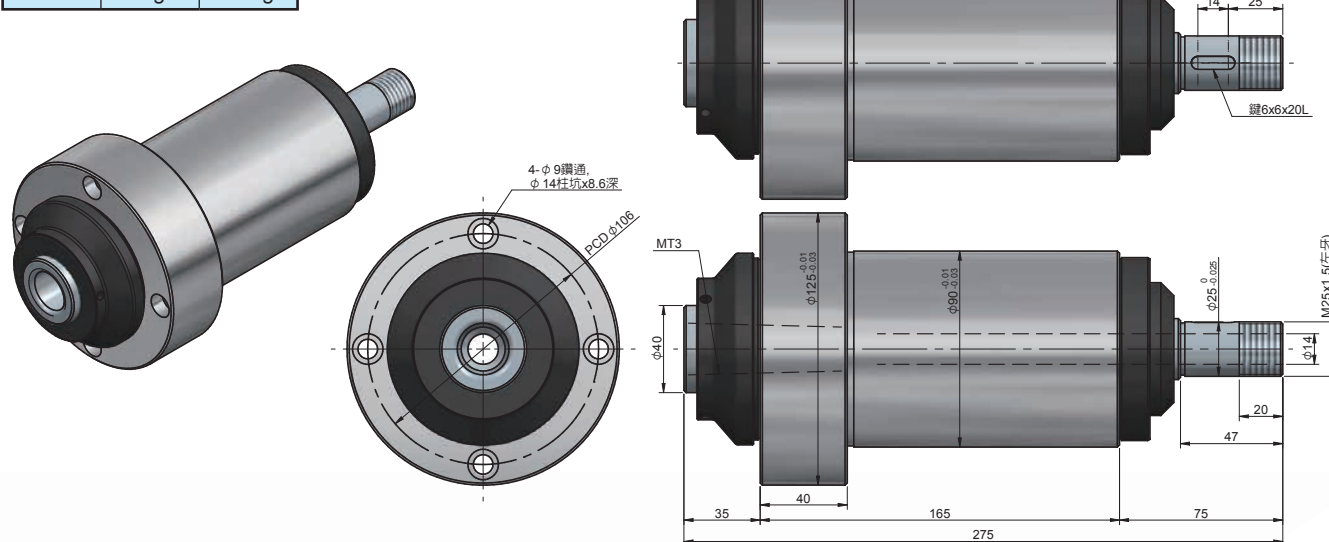
SRR35-ER32
SRR35H-ER32

重量	Weight	10 kg
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SRR35-MT3
SRR35H-MT3

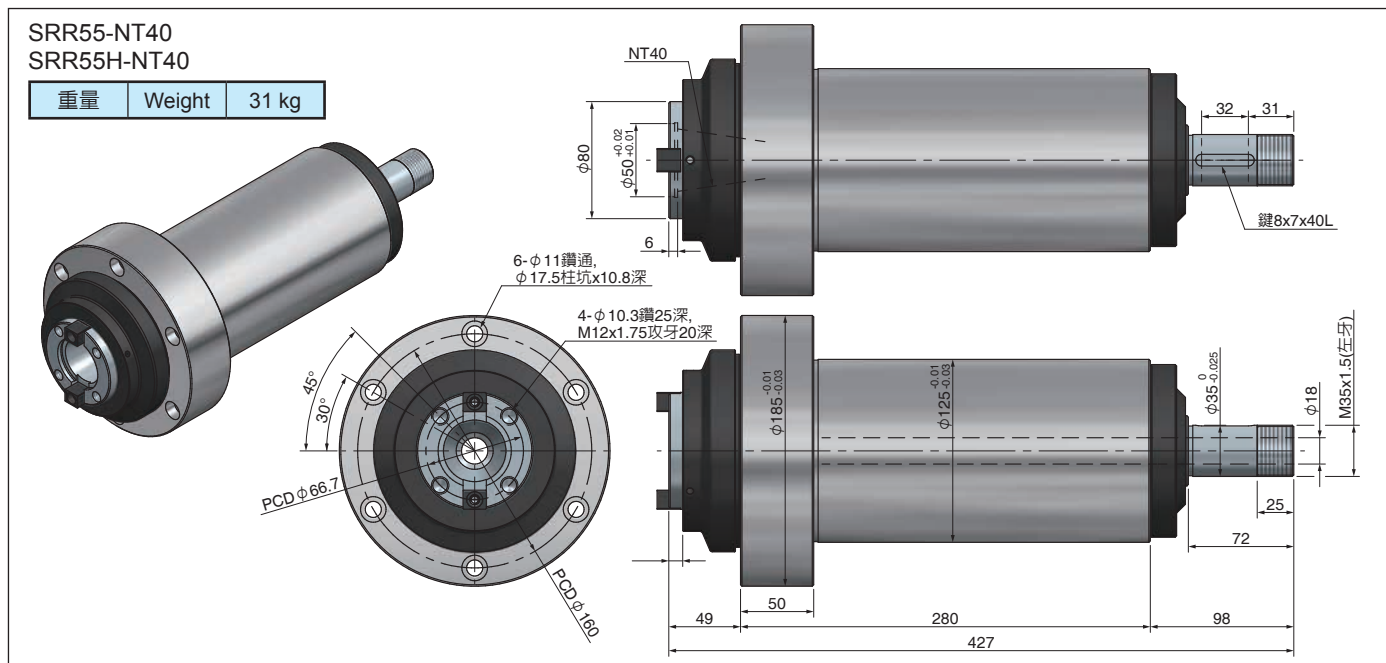
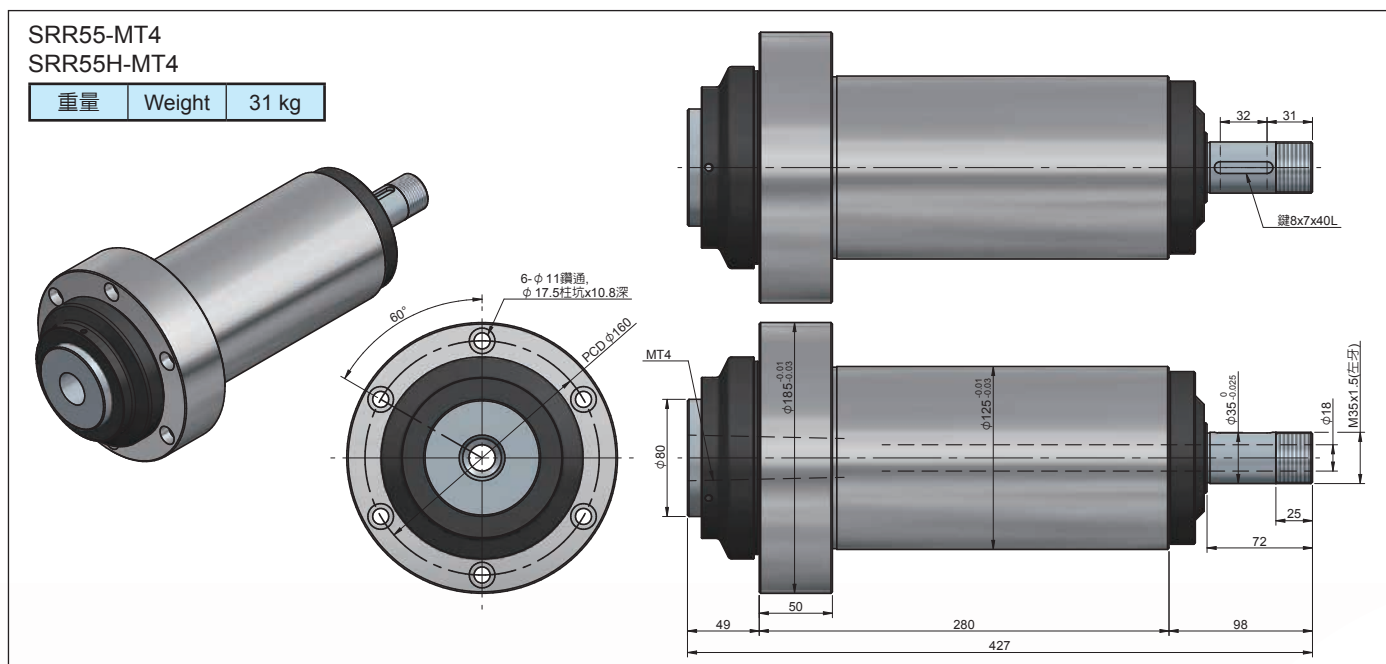
重量	Weight	10 kg
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5048# SRR55 搪銑主軸頭 Boring & Milling Head Unit

規格	Model	SRR55	SRR55H
主軸	Spindle	NT40 or MT4	
最高轉速	Max. RPM	2000	6000
軸承	Bearing	32011 / 6011Z 32010 / 6010Z	7011×2 7010×2
真圓度	Roundness	Within 0.003mm 內	
最大動力	Max. Power	Within 3 HP 內	
溫升	Rising Temperature	Within 20°C 內	

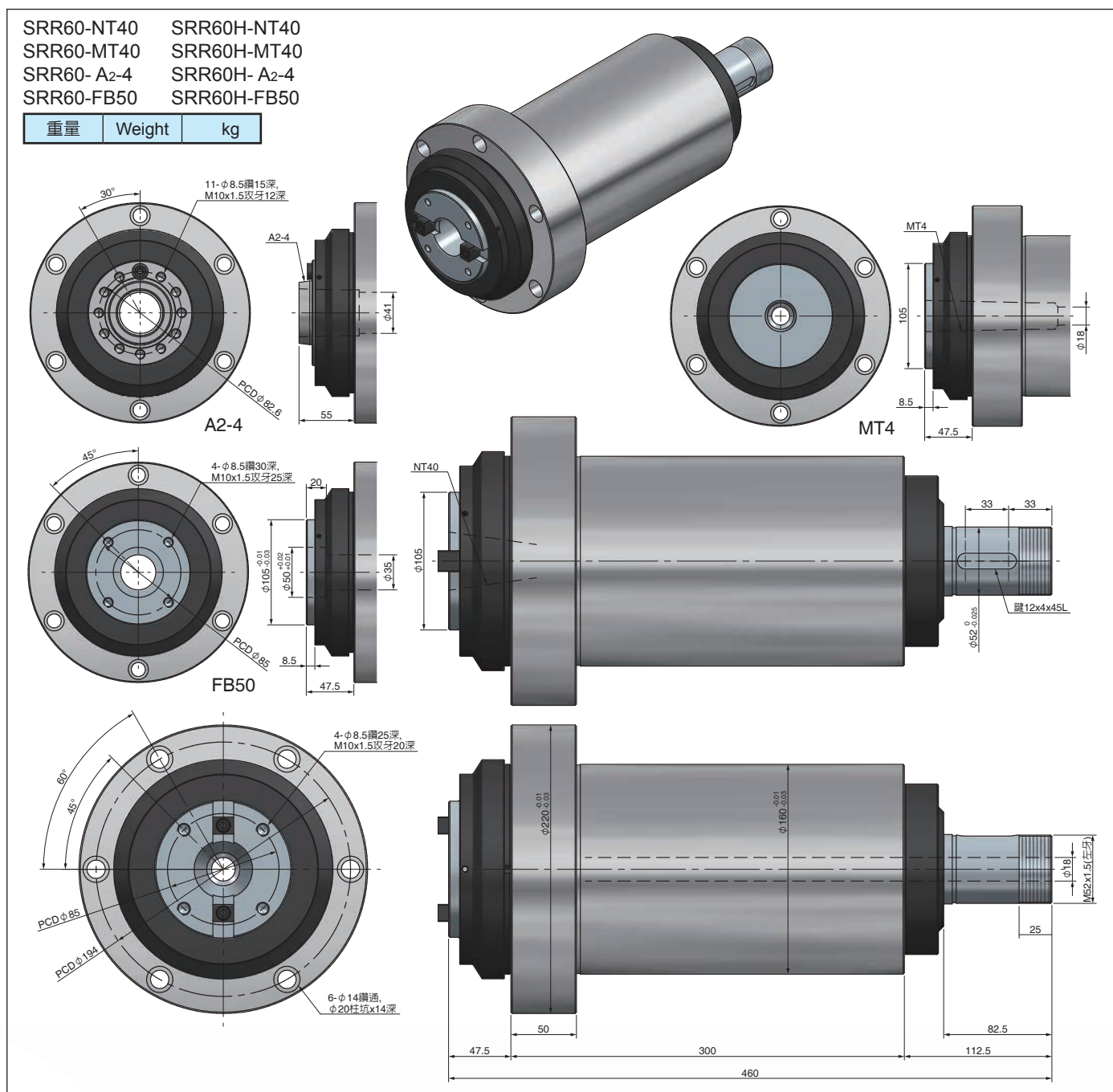
★出廠附精度檢驗表



5049# SRR60 搪銑主軸頭 Boring & Milling Head Unit

規格	Model	SRR60	SRR60H
主軸	Spindle	NT40 or A2-4 or FB50 or MT4	
最高轉速	Max. RPM	1800	5000
軸承	Bearing	32211 / 6211Z 32212 / 6212Z	7211×2 7212×2
真圓度	Roundness	Within 0.003mm 內	
最大動力	Max. Power	Within 5 HP 內	
溫升	Rising Temperature	Within 20°C 內	

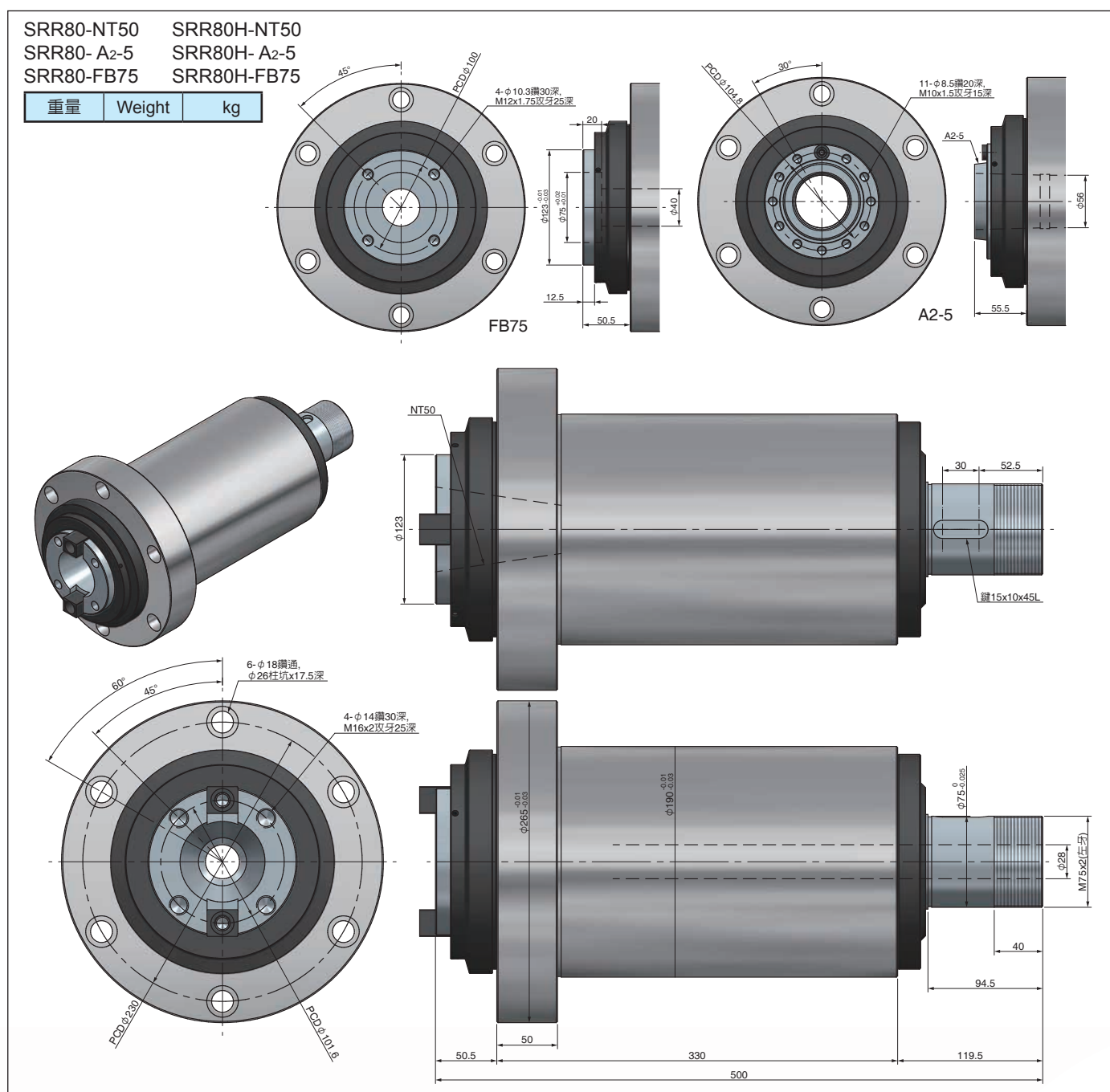
★出廠附精度檢驗表



5050# SRR80 搪銑主軸頭 Boring & Milling Head Unit

規格	Model	SRR80	SRR80H
主軸	Spindle	NT50 or A2-5 or FB75	
最高轉速	Max. RPM	1200	3000
軸承	Bearing	32216×2 6216Z×2	7216×4
真圓度	Roundness	Within 0.003mm 內	
最大動力	Max. Power	Within 7.5 HP 內	
溫升	Rising Temperature	Within 20°C 內	

★出廠附精度檢驗表

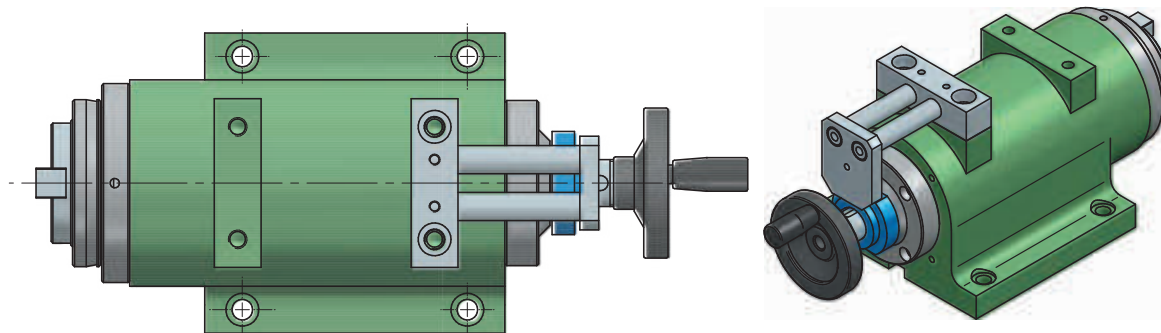


5051# A級精度檢測主軸頭 Precision Test Spindle

規格	Model	SR35-NT30-T	SR45-NT40-T	SR80-NT50-T
主軸	Spindle	NT30 or BT30	NT40 or BT40	NT50 or BT50
真圓度	Roundness	Within 0.002mm 內		



SR35-NT30-T
SR45-NT40-T
SR80-NT50-T



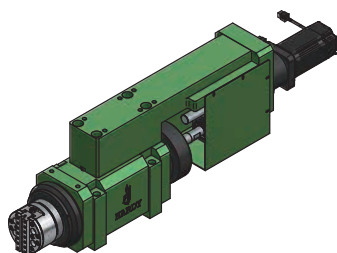
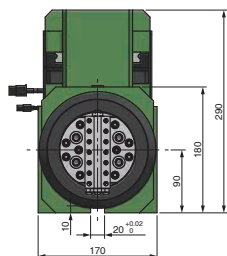
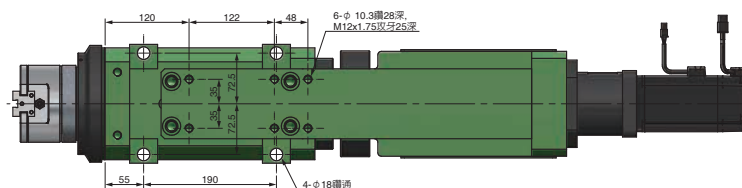
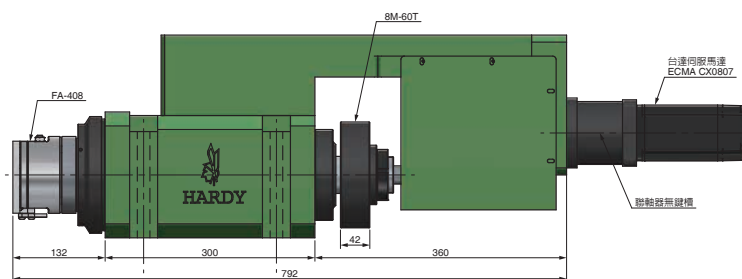
5052# S60-FA408 伺服展刀動力頭 Facing Spindle Head Unit-Servo Type

規格	Model	S60-A2-4
最高轉速	Max. RPM	1600
馬力	Horsepower	2HP×4P
主軸皮帶輪	Spindle Pulley	8M-60T×42W
主軸軸承	Spindle Bearing	32211×1 / 6211Z×1 32212×1 / 6212Z×1
螺桿軸承座軸承	Bearing of Ballscrew Bearing Block	7204×2
螺桿軸承座油封	Seal of Ballscrew Bearing Block	TC26-42-8×2
展刀軸承座軸承	Bearing of Facing Head	7204×4
展刀搪溝頭	Single-Slide Facing Head Model	FA-408
展刀頭滑座行程	Facing Head Slider Stroke	8 mm

Roundness: $\leq 0.003\text{mm}$
Slider Self-Repeatability: $\leq 0.005\text{mm}$ (展刀靜態重複定位)

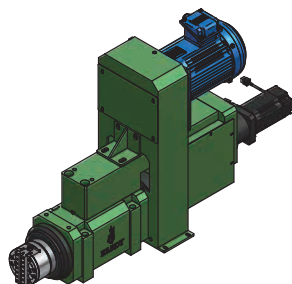
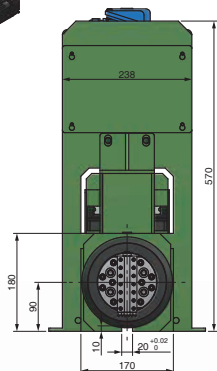
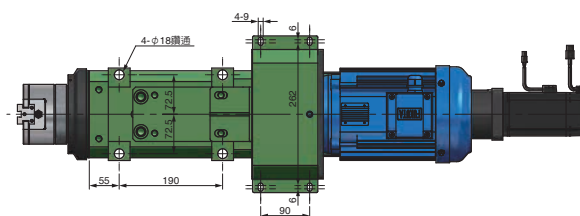
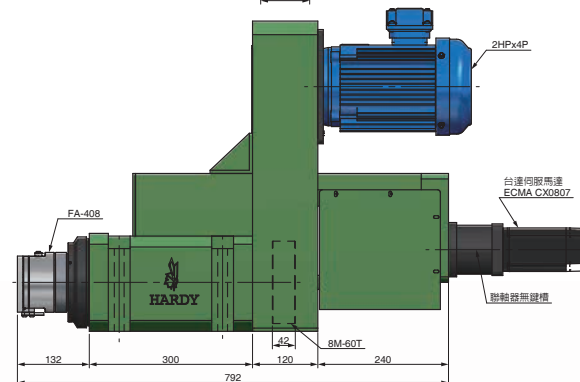
S60-A2-4(展刀-FA-408)

重量	Weight	kg
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S60-A2-4(展刀-FA-408)-MB

重量	Weight	kg
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5053# SR60-FA408 伺服展刀動力頭

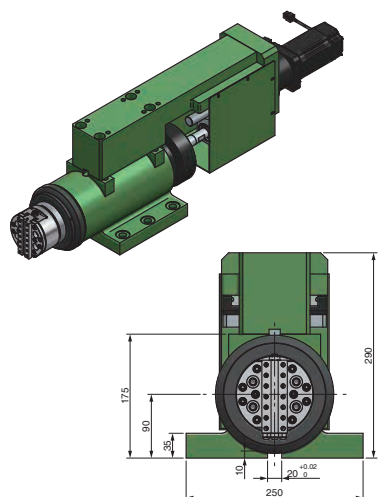
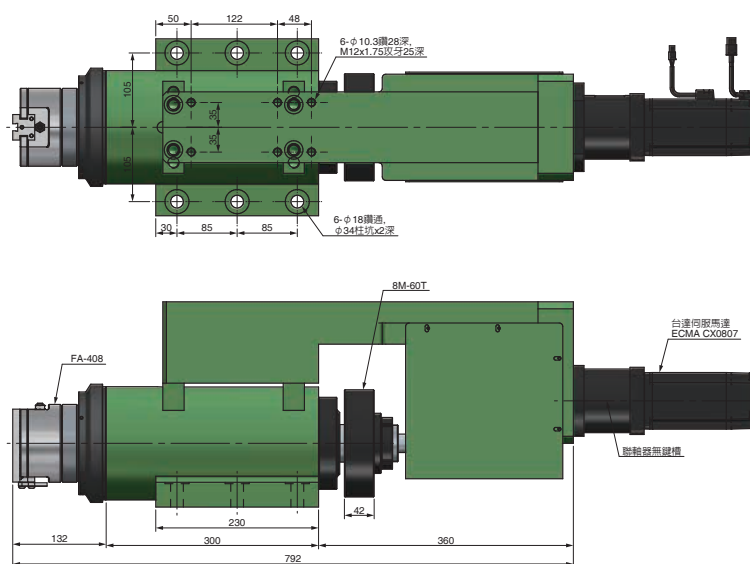
Facing Spindle Head Unit-Servo Type

規格	Model	SR60-A ₂ -4
最高轉速	Max. RPM	1600
馬力	Horsepower	2HP×4P
主軸皮帶輪	Spindle Pulley	8M-60T×42W
主軸軸承	Spindle Bearing	32211×1 / 6211Z×1 32212×1 / 6212Z×1
螺桿軸承座軸承	Bearing of Ballscrew Bearing Block	7204×2
螺桿軸承座油封	Seal of Ballscrew Bearing Block	TC26-42-8×2
展刀軸承座軸承	Bearing of Facing Head	7204×4
展刀搪溝頭	Single-Slide Facing Head Model	FA-408
展刀頭滑座行程	Facing Head Slider Stroke	8 mm

Roundness: $\leq 0.003\text{mm}$
Slider Self-Repeatability: $\leq 0.005\text{mm}$ (展刀靜態重複定位)

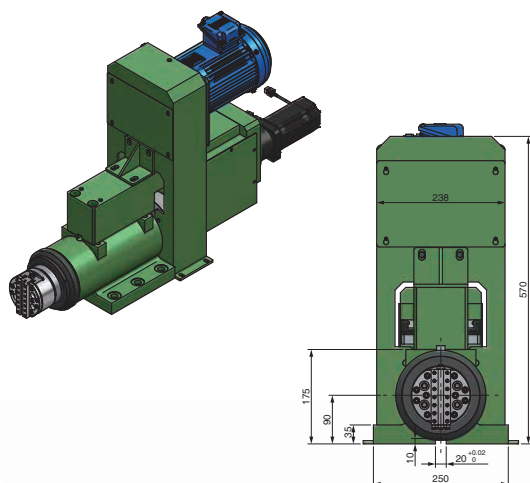
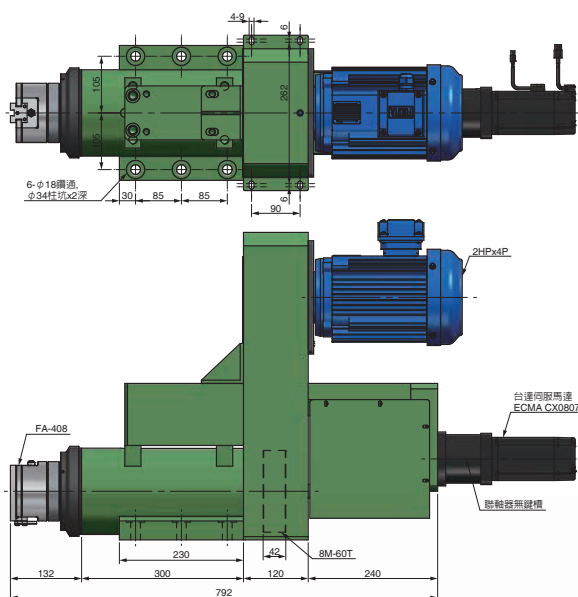
SR60-A₂-4(展刀-FA-408)

重量	Weight	kg
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SR60-A₂-4(展刀-FA-408)-MB

重量	Weight	kg
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5054# S60-FA610 伺服展刀動力頭

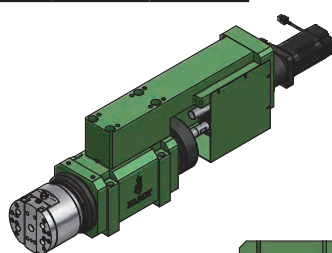
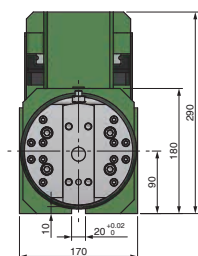
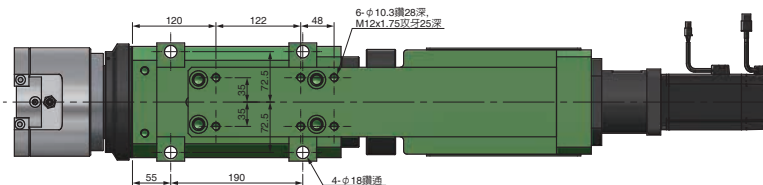
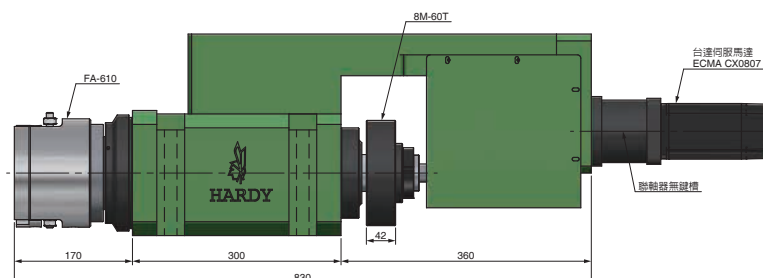
Facing Spindle Head Unit-Servo Type

規格	Model	S60-A2-4
最高轉速	Max. RPM	1200
馬力	Horsepower	2HP×4P
主軸皮帶輪	Spindle Pulley	8M-60T×42W
主軸軸承	Spindle Bearing	32211×1 / 6211Z×1 32212×1 / 6212Z×1
螺桿軸承座軸承	Bearing of Ballscrew Bearing Block	7204×2
螺桿軸承座油封	Seal of Ballscrew Bearing Block	TC26-42-8×2
展刀軸承座軸承	Bearing of Facing Head	7204×4
展刀搪溝頭	Single-Slide Facing Head Model	FA-610 / FA-660(選配)
展刀頭滑座行程	Facing Head Slider Stroke	10 mm / 60 mm(選配)

Roundness: $\leq 0.003\text{mm}$
Slider Self-Repeatability: $\leq 0.005\text{mm}$ (展刀靜態重複定位)

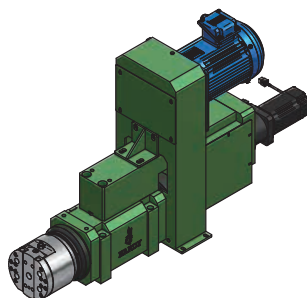
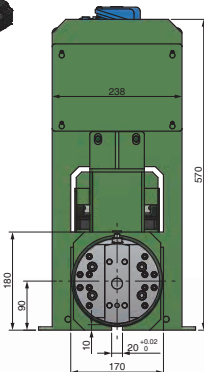
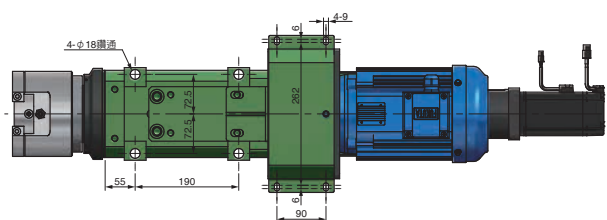
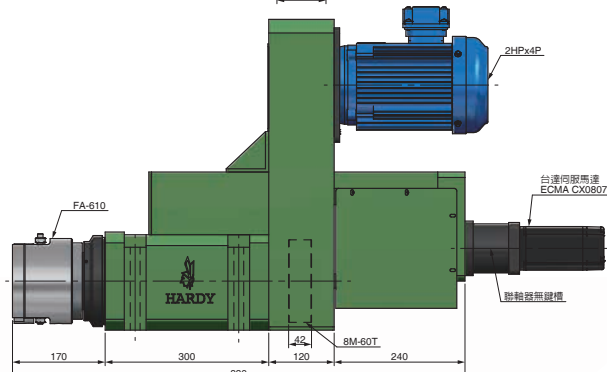
S60-A2-4(展刀-FA-610)
S60-A2-4(展刀-FA-660)(選配)

重量	Weight	kg
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S60-A2-4(展刀-FA-610)-MB
S60-A2-4(展刀-FA-660)-MB(選配)

重量	Weight	kg
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5055# SR60-FA610 伺服展刀動力頭

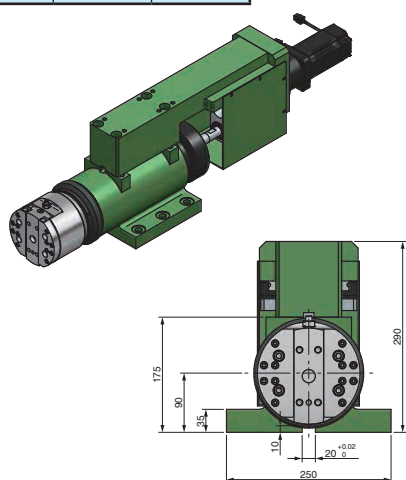
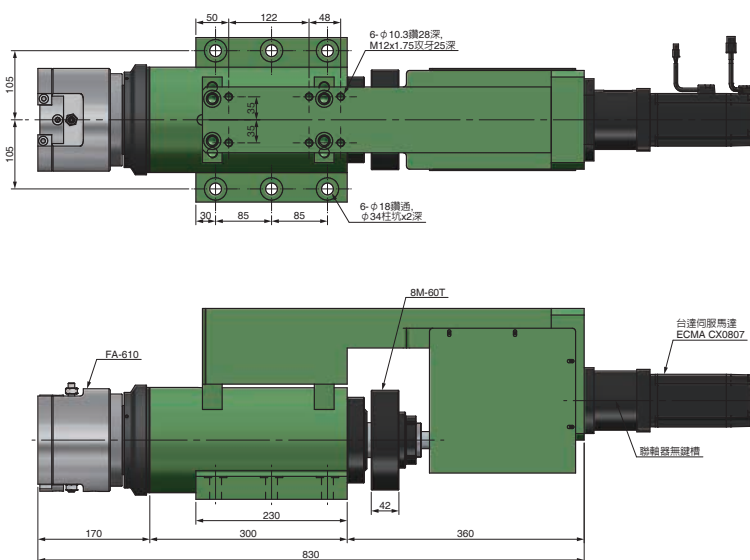
Facing Spindle Head Unit-Servo Type

規格	Model	SR60-A ₂ -4
最高轉速	Max. RPM	1200
馬力	Horsepower	2HP×4P
主軸皮帶輪	Spindle Pulley	8M-60T×42W
主軸軸承	Spindle Bearing	32211×1 / 6211Z×1 32212×1 / 6212Z×1
螺桿軸承座軸承	Bearing of Ballscrew Bearing Block	7204×2
螺桿軸承座油封	Seal of Ballscrew Bearing Block	TC26-42-8×2
展刀軸承座軸承	Bearing of Facing Head	7204×4
展刀搪溝頭	Single-Slide Facing Head Model	FA-610 / FA-660(選配)
展刀頭滑座行程	Facing Head Slider Stroke	10 mm / 60 mm(選配)

Roundness: $\leq 0.003\text{mm}$
Slider Self-Repeatability: $\leq 0.005\text{mm}$ (展刀靜態重複定位)

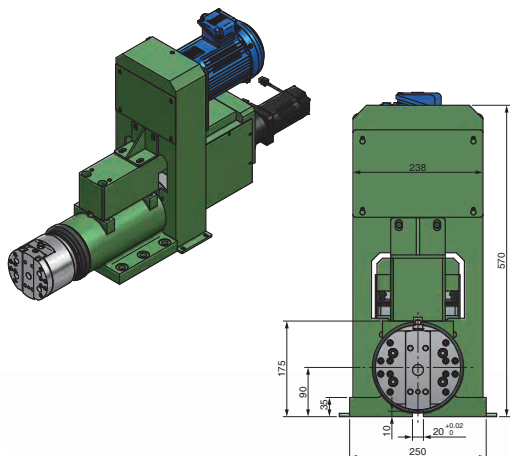
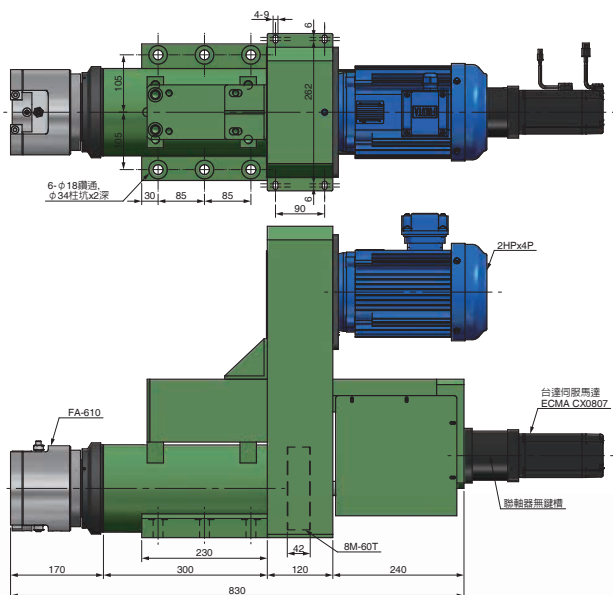
SR60-A₂-4(展刀-FA-610)
SR60-A₂-4(展刀-FA-660)(選配)

重量	Weight	kg
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SR60-A₂-4(展刀-FA-610)-MB
SR60-A₂-4(展刀-FA-660)-MB(選配)

重量	Weight	kg
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5056# S80-FA812 伺服展刀動力頭 Facing Spindle Head Unit-Servo Type

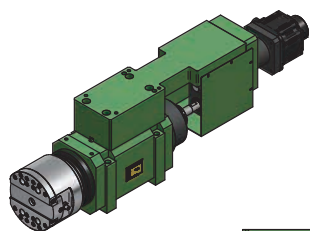
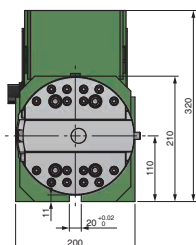
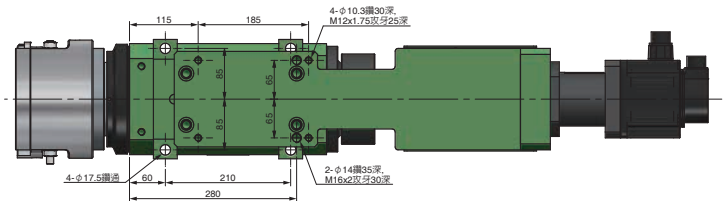
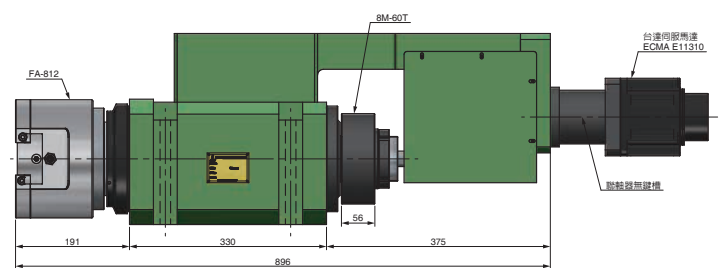
規格	Model	S80-A2-5
最高轉速	Max. RPM	800
馬力	Horsepower	3HP×4P
主軸皮帶輪	Spindle Pulley	8M-60T×56W
主軸軸承	Spindle Bearing	32216×2 / 6216Z×2
螺桿軸承座軸承	Bearing of Ballscrew Bearing Block	7205×2
螺桿軸承座油封	Seal of Ballscrew Bearing Block	TC30-50-10×2
展刀軸承座軸承	Bearing of Facing Head	7204×4
展刀搪溝頭	Single-Slide Facing Head Model	FA-812
展刀頭滑座行程	Facing Head Slider Stroke	12 mm

Roundness: $\leq 0.003\text{mm}$

Slider Self-Repeatability: $\leq 0.005\text{mm}$ (展刀靜態重複定位)

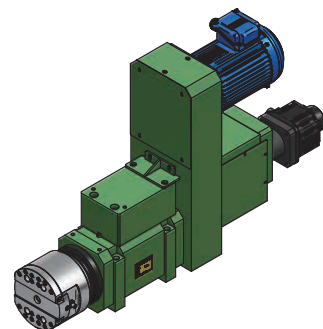
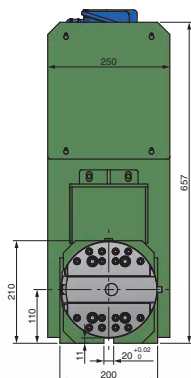
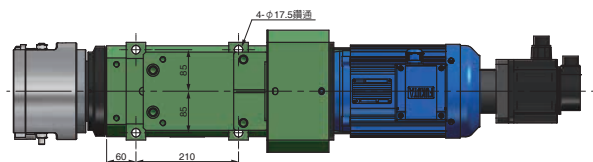
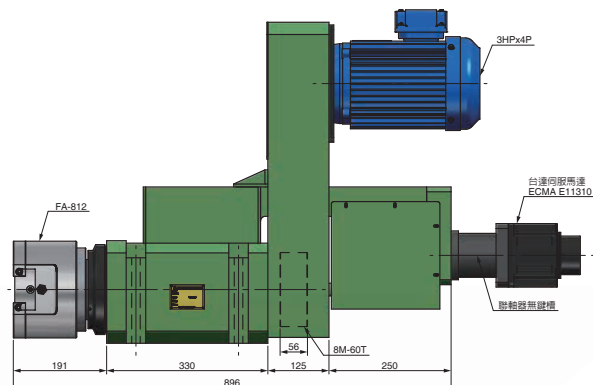
S80-A2-5(展刀-FA-812)

重量	Weight	kg
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S80-A2-5(展刀-FA-812)-MB

重量	Weight	kg
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5057# SR80-FA812 伺服展刀動力頭 Facing Spindle Head Unit-Servo Type

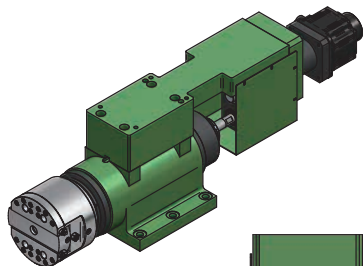
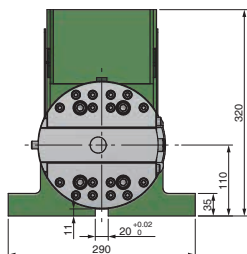
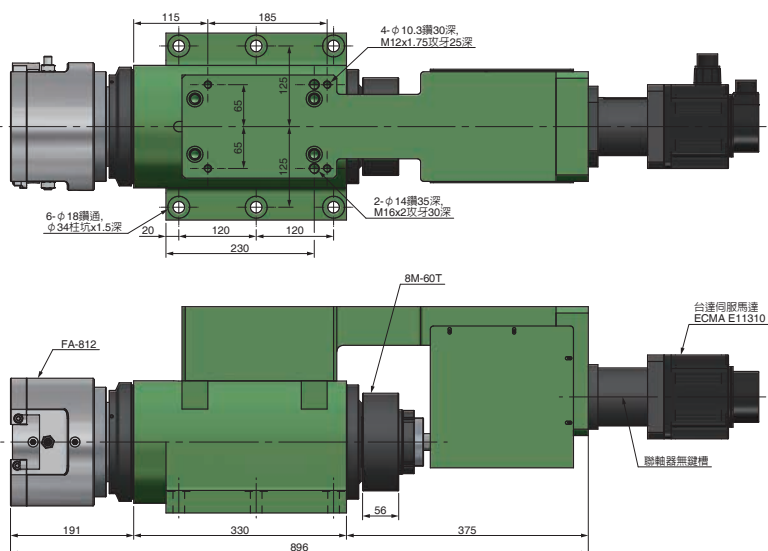
規格	Model	SR80-A2-5
最高轉速	Max. RPM	800
馬力	Horsepower	3HP×4P
主軸皮帶輪	Spindle Pulley	8M-60T×56W
主軸軸承	Spindle Bearing	32216×2 / 6216Z×2
螺桿軸承座軸承	Bearing of Ballscrew Bearing Block	7205×2
螺桿軸承座油封	Seal of Ballscrew Bearing Block	TC30-50-10×2
展刀軸承座軸承	Bearing of Facing Head	7204×4
展刀搪溝頭	Single-Slide Facing Head Model	FA-812
展刀頭滑座行程	Facing Head Slider Stroke	12 mm

Roundness: $\leq 0.003\text{mm}$

Slider Self-Repeatability: $\leq 0.005\text{mm}$ (展刀靜態重複定位)

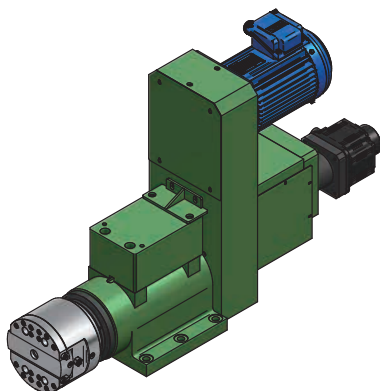
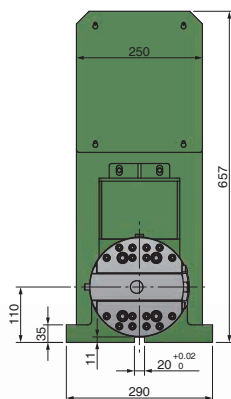
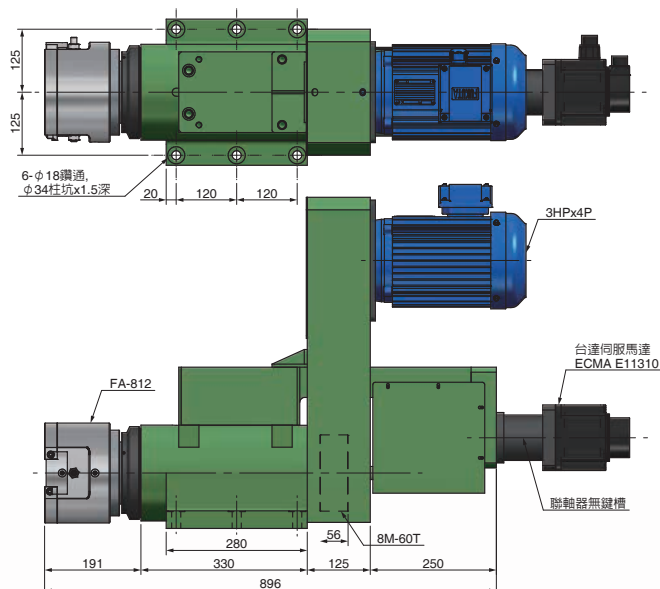
SR80-A2-5(展刀-FA-812)

重量	Weight	kg
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SR80-A2-5(展刀-FA-812)-MB

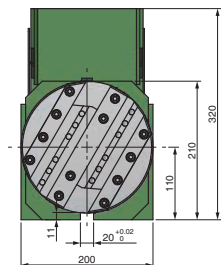
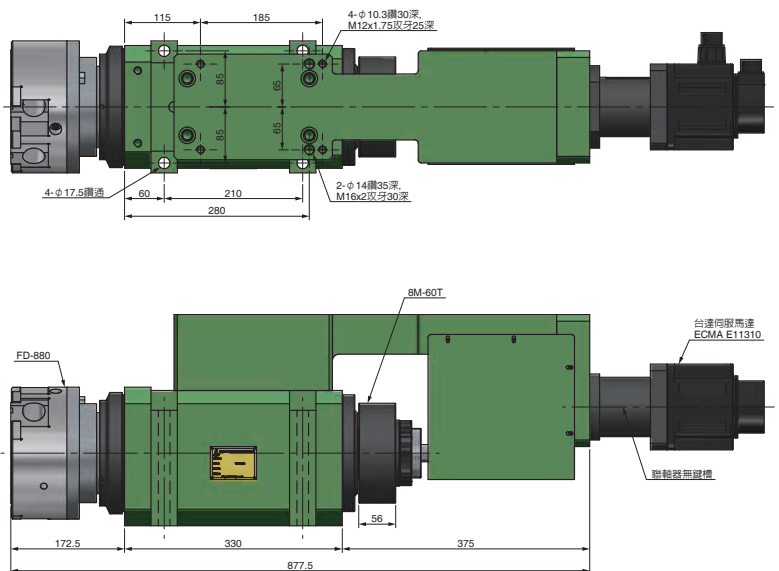
重量	Weight	kg
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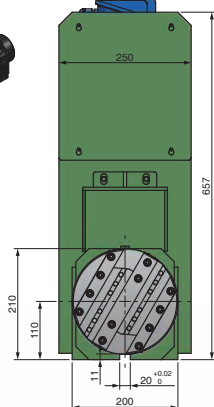
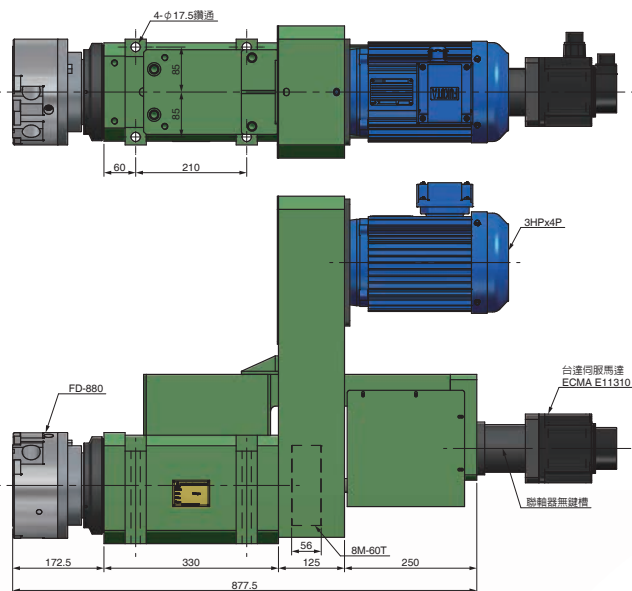
Facing Spindle Head Unit-Servo Type

Roundness: $\leq 0.003\text{mm}$
Slider Self-Repeatability: $\leq 0.005\text{mm}$ (展刀靜態重複定位)

重量	Weight	kg
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重量	Weight	kg
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5059# SR80-FD880 伺服展刀動力頭 Facing Spindle Head Unit-Servo Type

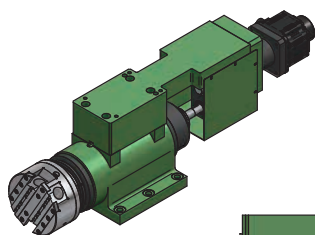
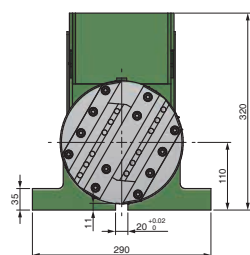
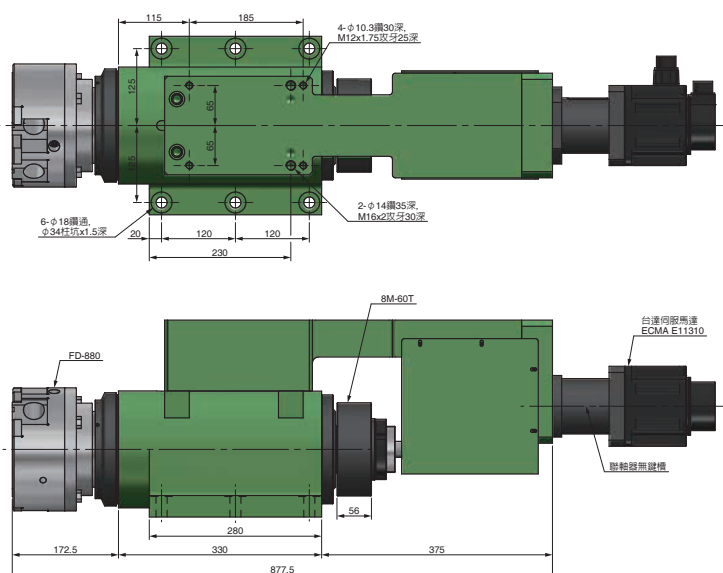
規格	Model	SR80-A2-5	SR80H-A2-5
最高轉速	Max. RPM	1200	2500
馬力	Horsepower	3HP×4P	
主軸皮帶輪	Spindle Pulley	8M-60T×56W	
主軸軸承	Spindle Bearing	32216×2 / 6216Z×2	7216×4
螺桿軸承座軸承	Bearing of Ballscrew Bearing Block	7205×2	
螺桿軸承座油封	Seal of Ballscrew Bearing Block	TC30-50-10×2	
展刀軸承座軸承	Bearing of Facing Head	7204×4	
展刀搪溝頭	Double-Slide Facing Head Model	FD-880	
展刀頭滑座行程	Facing Head Slider Stroke	80 mm	

Roundness: $\leq 0.003\text{mm}$

Slider Self-Repeatability: $\leq 0.005\text{mm}$ (展刀靜態重複定位)

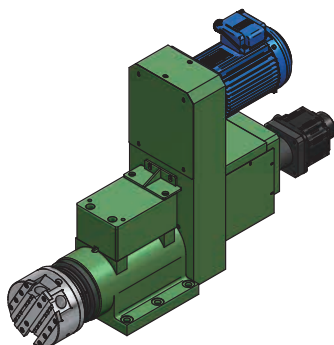
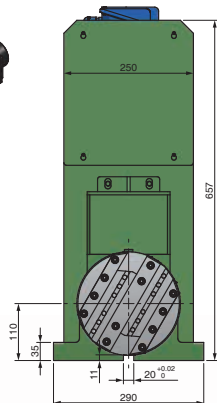
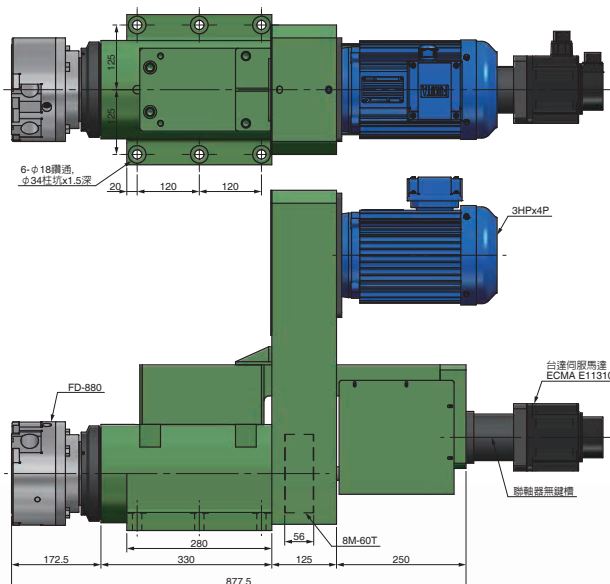
SR80-A2-5(展刀-FD-880)

重量	Weight	kg
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SR80-A2-5(展刀-FD-880)-MB

重量	Weight	kg
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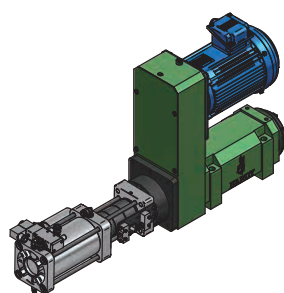
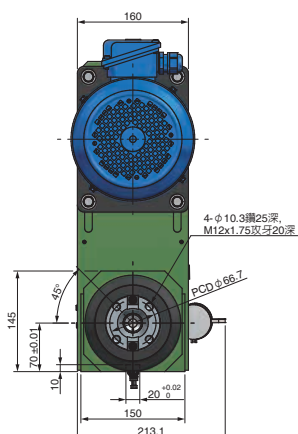
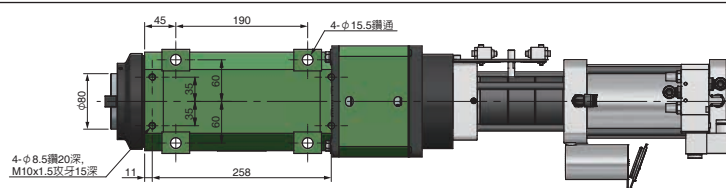
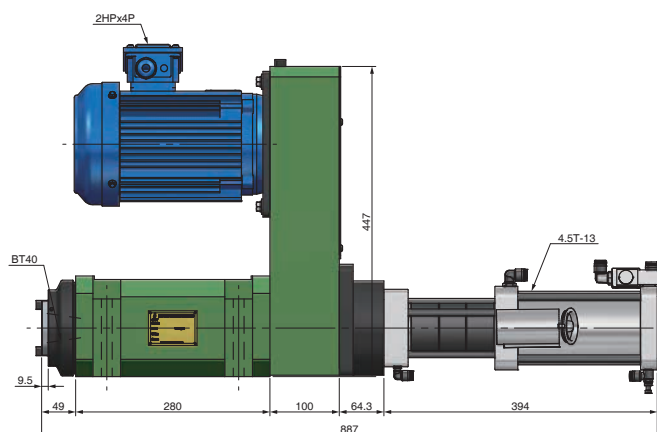


5060# SC55-BT40 搪銑主軸頭 / 氣動打刀缸 Boring / Milling Head Unit / with Unclamping Cylinder

規格	Model	SC55-BT40	SC55H-BT40
主軸	Spindle	BT40	
最高轉速	Max. RPM	2000	6000
軸承	Bearing	32011 / 6011Z 32010 / 6010Z	7011×2 7010×2
真圓度	Roundness	Within 0.003mm內	
最大動力	Max. Power	Within 3 HP 內	
溫升	Rising Temperature	Within 20°C 內	

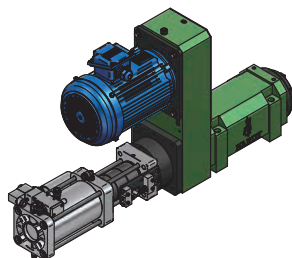
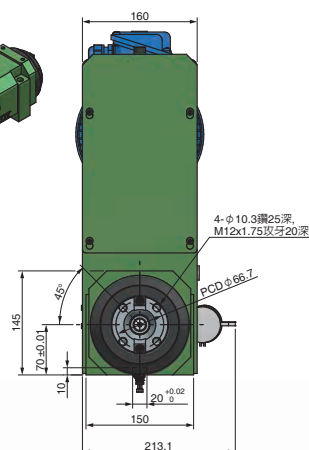
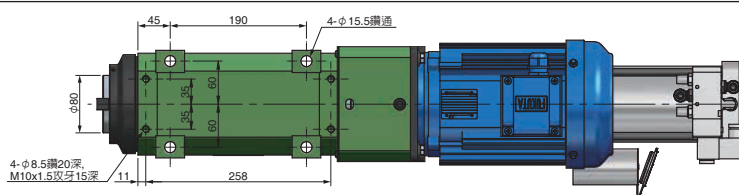
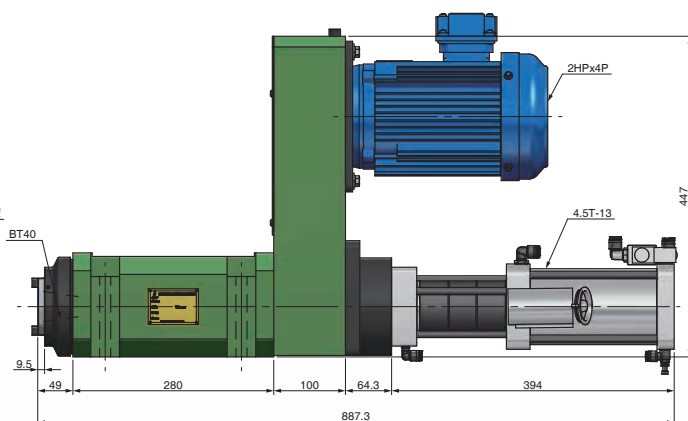
SC55-BT40-MF

重量	Weight	83 kg
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SC55-BT40-MB

重量	Weight	83 kg
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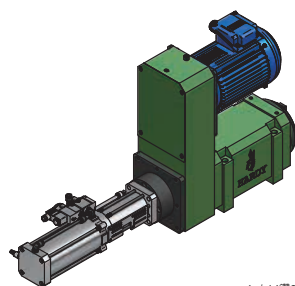
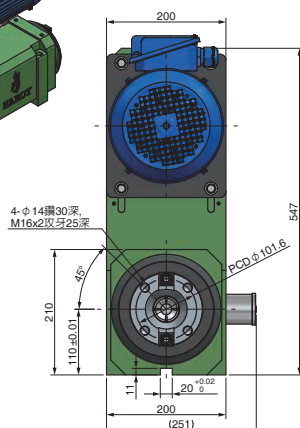
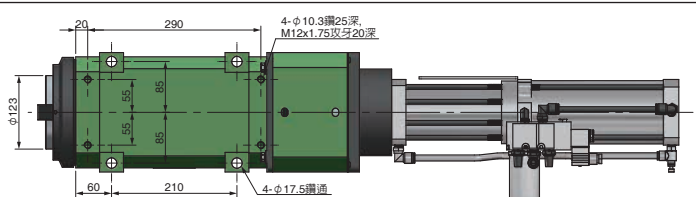
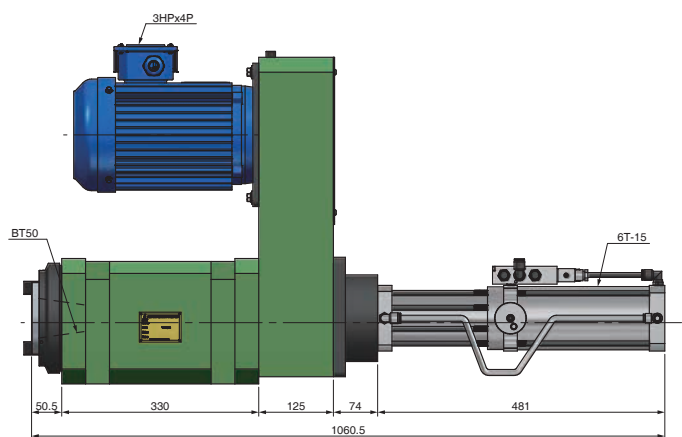


5062# SC80-BT50 搪銑主軸頭 / 氣動打刀缸 Boring / Milling Head Unit / with Unclamping Cylinder

規格	Model	SC80-BT50	SC80H-BT50
主軸	Spindle	BT50	
最高轉速	Max. RPM	1200	3000
軸承	Bearing	32216×2 6216Z×2	7216×4
真圓度	Roundness	Within 0.003mm內	
最大動力	Max. Power	Within 7.5 HP 內	
溫升	Rising Temperature	Within 20°C 內	

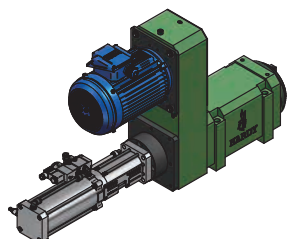
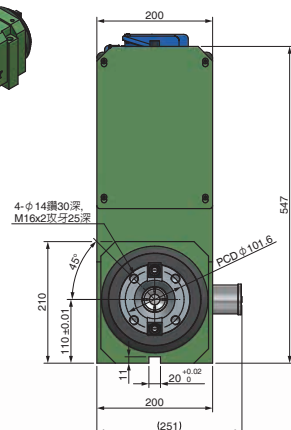
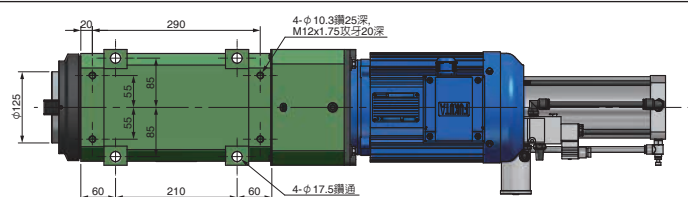
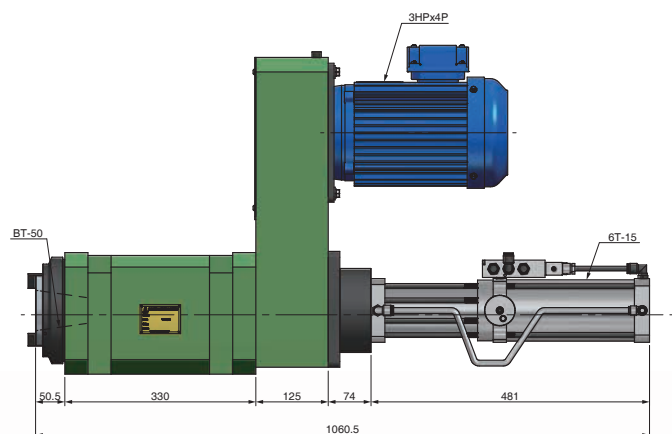
SC80-BT50-MF

重量	Weight	kg
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SC80-BT50-MB

重量	Weight	kg
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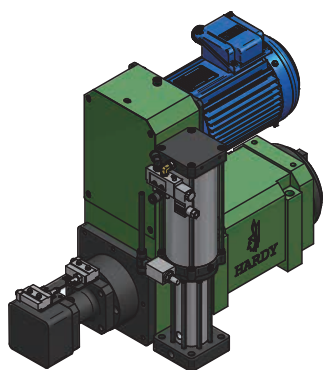
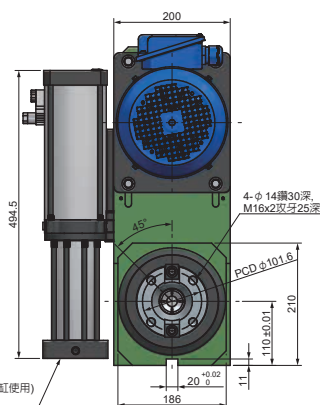
5063# SCS80-BT50 搪銑主軸頭 / 短型氣動打刀缸

Boring / Milling Head Unit / with Unclamping Cylinder

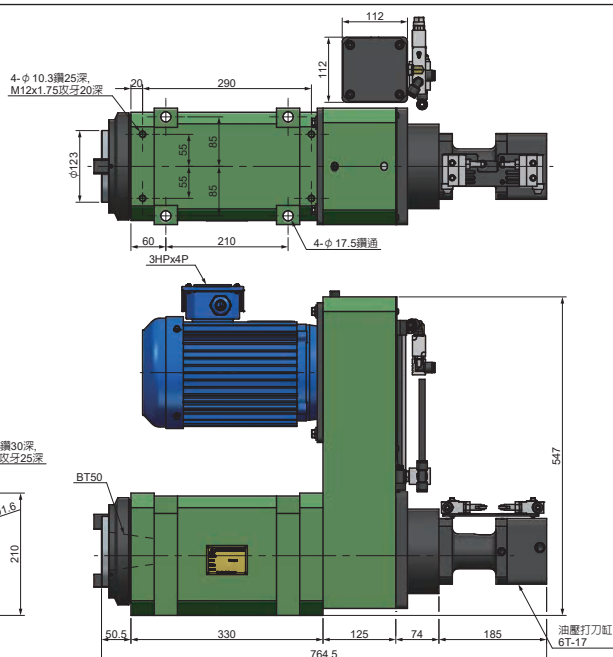
規格	Model	SCS80-BT50	SCS80H-BT50
主軸	Spindle	BT50	
最高轉速	Max. RPM	1200	3000
軸承	Bearing	32216×2 6216Z×2	7216×4
真圓度	Roundness	Within 0.003mm內	
最大動力	Max. Power	Within 7.5 HP 內	
溫升	Rising Temperature	Within 20°C 內	

SCS80-BT50-MF

重量	Weight	kg
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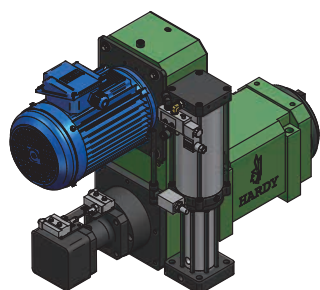
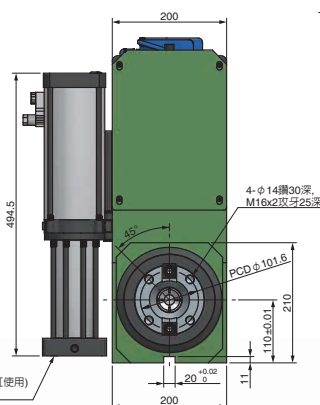


增壓缸(需搭配油壓打刀缸使用)
可放於機台附近

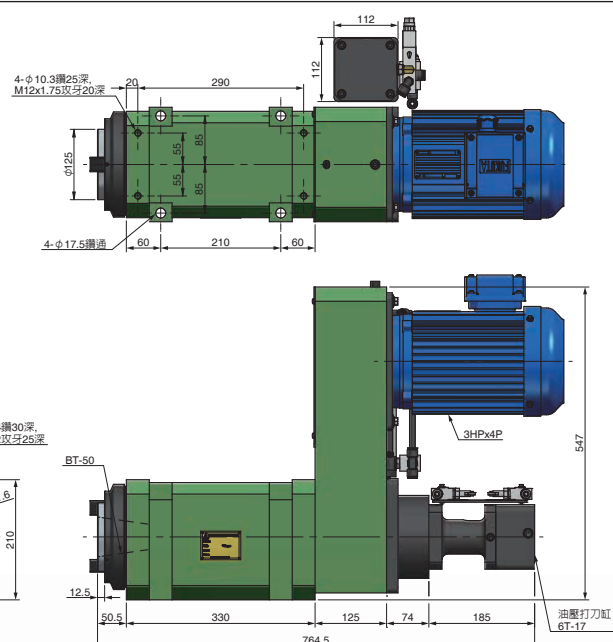


SCS80-BT50-MB

重量	Weight	kg
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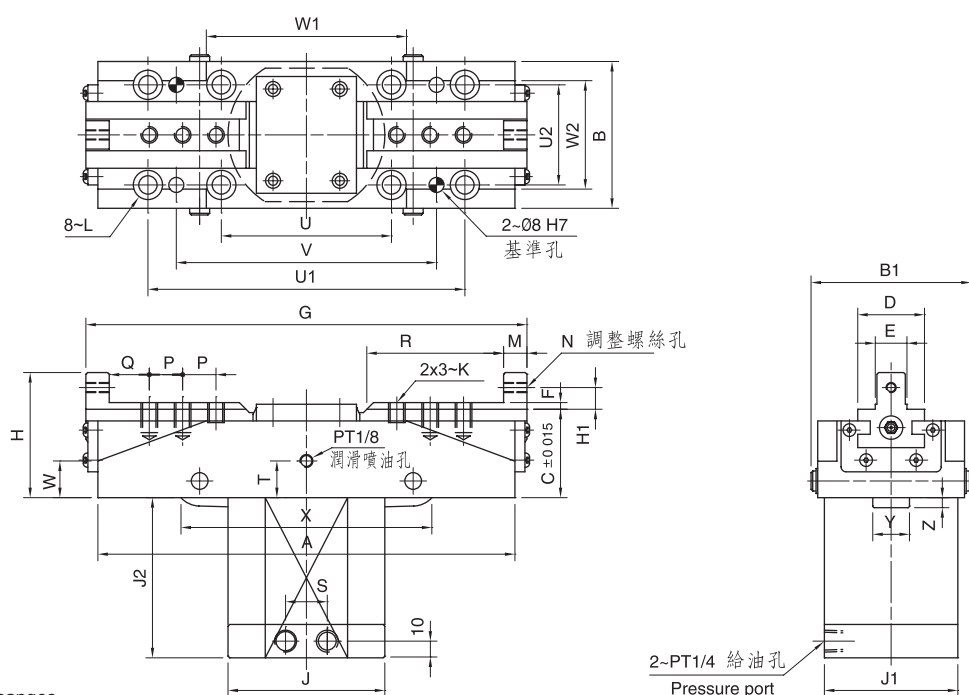
增壓缸(需搭配油壓打刀缸使用)
可放於機台附近



5064# 同步夾具 Synchronous Clamp



- 曲柄型二爪同步夾具，爪行程長。
- 摺動面均經硬化及精密研磨，並直接潤滑。
- 高夾持精度，防塵效果特佳。
- It's a CRANK type 2-jaw synchronous clamp with long jaw stroke.
- Matching surfaces of all parts hardened, ground and lubricated directly.
- Construction of high rigidity and high clamping accuracy.



保留規格修改的權利
Subject to technical changes.

規格 Spec.	活塞面積 Eff. piston area cm ²		爪行程 (直徑) mm	最大夾持能力 mm	最大夾持力 kN(kgf)	最高使用壓力 Mpa (kgf/cm ²)	重量 kg
型號 Model.	伸側 Extend	拉側 Retract	Jaw stroke (Dia.)	Clamping capacity	Max. Clamping force	Max. Pressure	Weight
CP-20	28.27	25.13	20	150	16.2(1650)	3.5 (35)	9.5
CP-30A	28.27	25.13	30	180	17.7(1800)		11
CP-30	28.27	25.13	30	210	17.7(1800)		12
*CP-40	28.27	25.13	40	200	14.7(1500)		12
CP-50	38.48	33.57	50	215	20.3(2070)		18.5
*CP-70	50.26	45.35	70	235	26.9(2742)		30

型號 Model.	尺寸 Size															
	A	B	B1	C	D	E(H6)	F	G		H	H1	J	J1	J2	K	L
CP-20	215	88	96	53	40	18	4	max.	min.	75	13	94	76	83.5	M10×1.5	M10
CP-30A	250	88	96	53	40	18	4	249	229	75	13	94	76	96	M10×1.5	M10
CP-30	280	88	96	53	40	22	4	327	297	75	13	94	76	96	M12×1.75	M10
*CP-40	270	88	96	53	40	22	4	331	291	75	13	94	76	110	M12×1.75	M10
CP-50	300	110	115	65	50	28	5	369	319	90	15	105	-	120	M12×1.75	M10
*CP-70	346	120	126	89	55	32	5	430	360	114	15	115	-	146	M14×2	M12

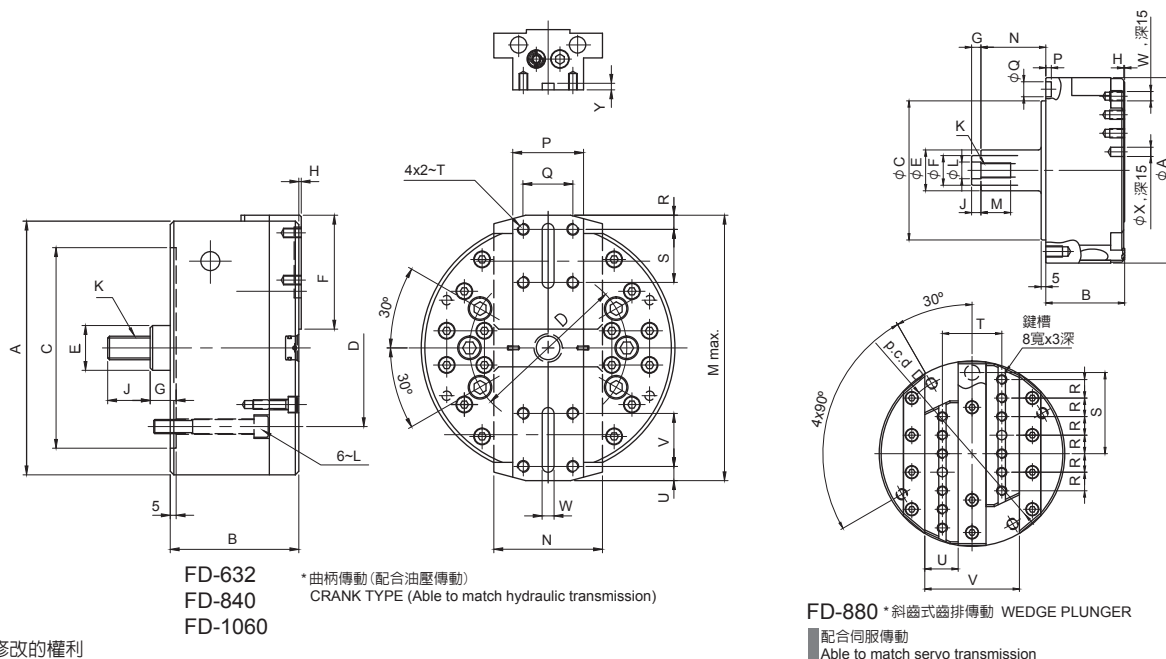
型號 Model.	尺寸 Size																
	M	N	P	Q	R	S	T	U	U1	U2	V	W	W1	W2	X	Y	Z
CP-20	12	M6×1	18	20	66	24	22	102	190	60	156	32	110	65	150	22	4
CP-30A	14	M6×1	20	24	96	24	22	102	190	60	156	20	120	65	156	22	6
CP-30	14	M6×1	20	24	98	24	22	102	190	60	156	23	110	65	156	22	6
*CP-40	14	M6×1	20	24	98	24	22	102	190	60	156	25	110	65	150	22	10.5
CP-50	16	M8×1.25	21	28	102	30	32	105	230	85	195	22	140	80	180	30	10
*CP-70	16	M8×1.25	23	28	112	30	52	120	275	79	240	42	155	90	210	34	23.5

*表示接單生產之規格，無現貨供應。 Model produced only by order.

5065# 雙向展刀搪溝頭 Double-Slide Facing Head



- 進給機構是以曲柄或斜齒式齒排傳動為之，進給速度穩定，進給速度與行程的調整非常容易。
- 摺動面均經硬化及精密研磨，剛性與耐久性非常良好。
- 定位精度： $\pm 0.03\text{mm}$
- Feed mechanism is transmitted by Crank or Wedge Plunger, with steady feed speed. Simple adjustment for feed speed and stroke.
- Matching surfaces of all parts hardened, ground and lubricated directly. With Rigidity and durability.
- Stopper accuracy： $\pm 0.03\text{mm}$
- 與行控型迴轉油壓缸搭配使用。
- Suitable for using with RS type cylinder.



保留規格修改的權利
Subject to technical changes.

規格 Spec. 型號 Model.	楔心行程 (直徑) mm Plunger stroke (Dia.)	滑座行程 (直徑) mm Slider stroke (Dia.)	最高迴轉數 $\text{min}^{-1}(\text{r.p.m})$ Max. speed	最大進給速度 mm/min. Max. feed speed	重量 kg Weight	適用油壓缸 Matching cylinder	最大使用壓力 Max. Pressure $\text{Mpa (kgf/cm}^2\text{)}$
FD-632	20	32	3200	300	13.6	RS-1030N	2.4 (24)
FD-840	25	40	2500	240	30.0	RS-1030N	3.0 (30)
FD-1060	35	60	1800	200	41.5	RS-1040N	3.0 (30)

尺寸 Size 型號 Model.	A	B	C _(H7)	D	E	F	G		H	J	K
							max.	min.			
FD-632	168	93	140	104.8	32	76	31	11	2	36	M16×2.0
FD-840	215	109	170	133.4	38	96.5	32.5	7.5	2	36	M20×2.5
FD-1060	254	123	220	171.4	38	110.5	32.5	-2.5	4	36	M20×2.5

尺寸 Size 型號 Model.	L	M	N	P	Q	R	S	T	U	V	W(H8)	Y
FD-632	6~M10×75	188	70	40	25	10	32	M8×15	10	32	6	4
FD-840	6~M12×85	238	90	60	42	12	45	M10×15	12	45	10	6
FD-1060	6~M16×125	286	90	65	46	15	50	M10×15	12	50	10	6

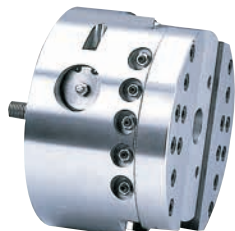
規格 Spec. 型號 Model.	楔心行程 mm Plunger stroke (Dia.)	滑座行程 (直徑) mm Slider stroke (Dia.)	最高迴轉數 $\text{min}^{-1}(\text{r.p.m})$ Max. speed	容許油壓缸推力 kgf Max D.B. pull	I kg.m^2	重量 kg Weight	適用油壓缸 Matching cylinder
* FD-880	48	80	2500	1050	0.081	17.0	RS-1050N

尺寸 Size 型號 Model.	A	B	C _(H6)	D	E	F	G		H	J	K
							max.	min.			
* FD-880	200	85	150	175	44	32	58	10	1	10	M16×1.5L

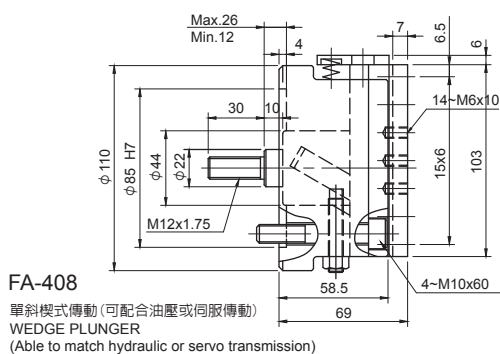
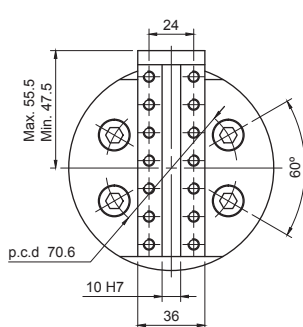
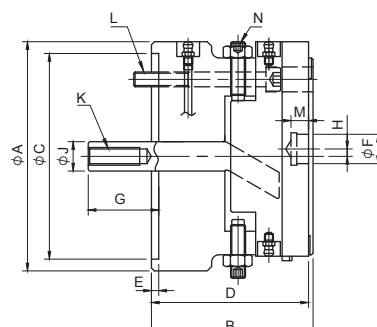
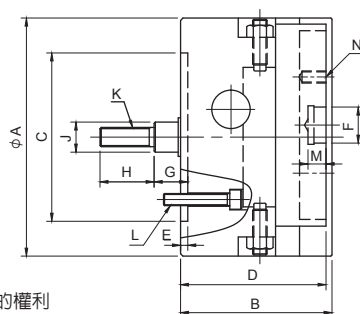
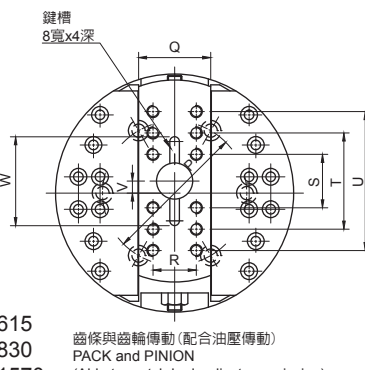
尺寸 Size 型號 Model.	L _(H7)	M	N	P	Q	R	S	T	U	V	W	× _(H7)
* FD-880	18	32	70	6	16.2	20	87.5	64	36	102	12~M10	10

*表示接單生產之規格，無現貨供應。 Model produced only by order.

5066# 展刀搪溝頭 Single-Slide Facing Head



- 進給機構是以齒條與齒輪或單斜楔式傳動為之，進給速度穩定，進給速度與行程的調整非常容易。
- 摺動面均經硬化及精密研磨，剛性與耐久性非常良好。
- 定位精度： $\pm 0.03\text{mm}$
- Feed mechanism is transmitted by Rack and Pinion or Wedge Plunger, with steady feed speed. Simple adjustment for feed speed and stroke.
- Matching surfaces of all parts hardened, ground and lubricated directly. With Rigidity and durability.
- Stopper accuracy： $\pm 0.03\text{mm}$
- 與行控型迴轉油壓缸搭配使用。
- Suitable for using with RS type cylinder.



保留規格修改的權利
Subject to technical changes.

規格 Spec. 型號 Model.	楔心行程 (直徑) mm Plunger stroke (Dia.)	滑座行程 (直徑) mm Slider stroke (Dia.)	最高迴轉數 $\text{min}^{-1}(\text{r.p.m})$ Max. speed	最大進給速度 mm/min. Max. feed speed	重量 kg Weight	適用油壓缸 Matching cylinder	最大使用壓力 Mpa (kgf/cm ²)
FA-408	14	8	1600	400	4.2	RS-6520N	1.0(10)
FA-615	15	15	1200	300	11.9	RS-6520N	1.2(12)
FA-830	30	30	800	240	23.9	RS-6530N	1.8(18)
* FA-1570	70	70	500	120	167	RS-1080N	2.6(26)

規格 Spec. 型號 Model.	楔心行程 mm Plunger stroke (Dia.)	滑座行程 mm Slider stroke	最高迴轉數 $\text{min}^{-1}(\text{r.p.m})$ Max. speed	容許油壓缸推力 kgf Max D.B. pull	重量 kg Weight	適用油壓缸 Matching cylinder
* FA-610	18	10	1200	280	0.04	RS-6520N
* FA-812	21	12	800	450	0.14	RS-6520N

型號 Model.	寸法 Size						G		H	J	K	L	M	N	P	Q	R	S	T	U	V	W
	A	B	C(H7)	D	E	F(H7)	max.	min.														
FA-615	150	107	110	102	5	25	40	25	35	20	M12×1.75	3~M10×40	12	8~M8×16	82.6	50	32	32	68	-	±7.5	56
FA-830	198	126	140	121	6	30	52	22	45	25	M16×2	6~M10×55	15	12~M10×20	120	60	36	40	80	120	±15	66
*FA-1570	400	200	300	192	6	60	110	40	75	50	M30×3.5	6~M20×90	15	8~M16×20	235	120	80	130	260	-	±17.5	-

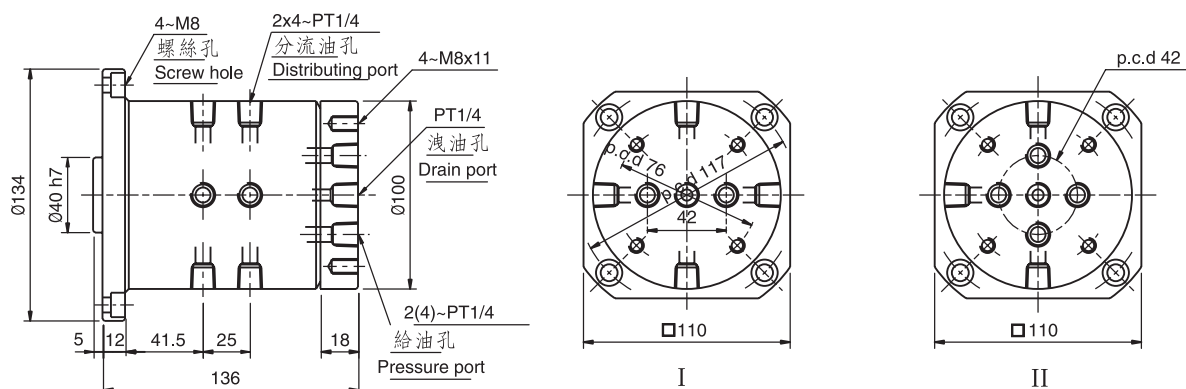
寸法 Size	A	B	C _(H7)	D	E	F _(H7)	G		H	J	K	L	M	N	P	Q	R _(H8)	S	T	U
型號 Model.							max.	min.												
*FA-610	156	110	140	107	5	20	66	48	±5	20	M12×1.75	4~M10×90	12	2~M10×45	104.8	28	8	4~M10×16	40	40
*FA-812	198	130	170	127	5	25	84	63	±6	25	M16×2	4~M12×105	12	2~M12×60	133.4	32	10	4~M10×16	50	50

*表示接單生產之規格，無現貨供應。 Model produced only by order.

5068# 油壓迴轉分流閥 Hydraulic Rotary Valve



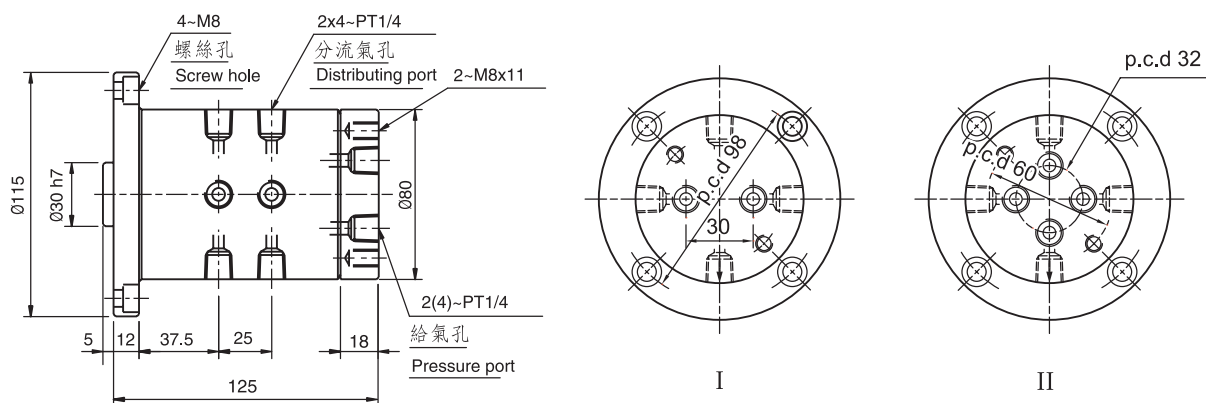
- 迴轉工作台上夾具空油壓缸用迴轉分流閥。
- 迴轉閥內部經特殊設計，使得迴轉軸可輕力轉動，且不虞漏油。
- Rotary valve is used for clamping cylinder on rotary table.
- Through unique design, it can make the rotary housing be rotated light force, and is from oil leaking.
- I 型為一迴路，同時控制開夾動作。
- II 型為二迴路，可分別控制開夾動作。
- I Type is a single circuit which controls the clamping.
- II Type is a double circuit which separately controls the clamping.
- RV型式的洩氣孔配管務必單獨接回油壓槽，以避免產生背壓。
- The drain port of RV type should be independently connected to oil tank to avoid back pressure.



保留規格修改的權利
Subject to technical changes.

型號 Model	分流數 Distributing	最高使用壓力 Max. Pressure	重量 Weight
RV-31H	四向(可訂製) 4 (by order)	40 kgf/cm ²	7.4 kgs

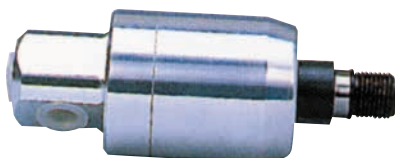
空壓迴轉分流閥 Air Rotary Valve



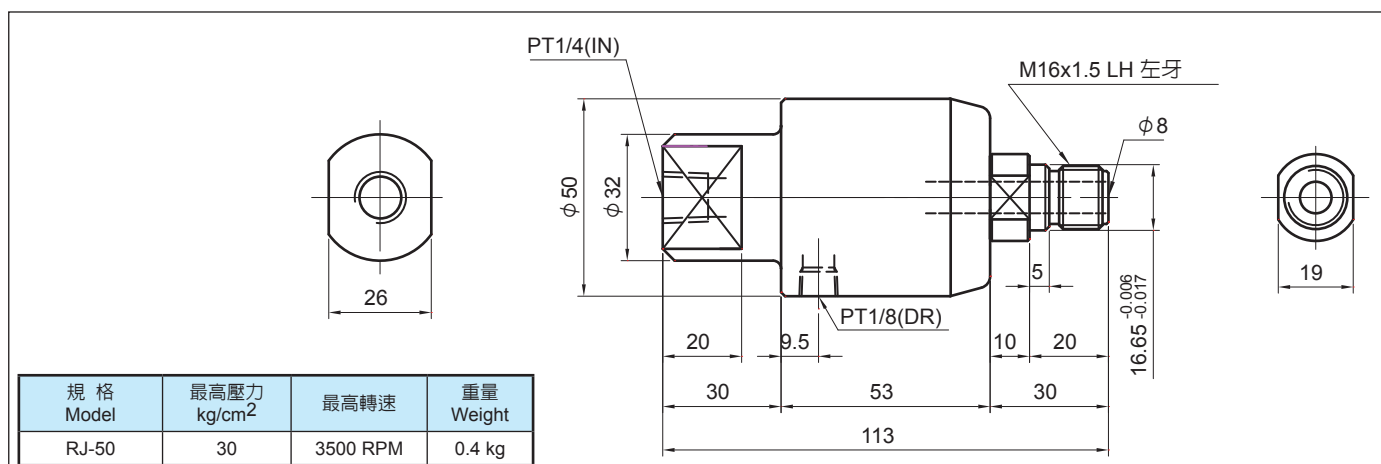
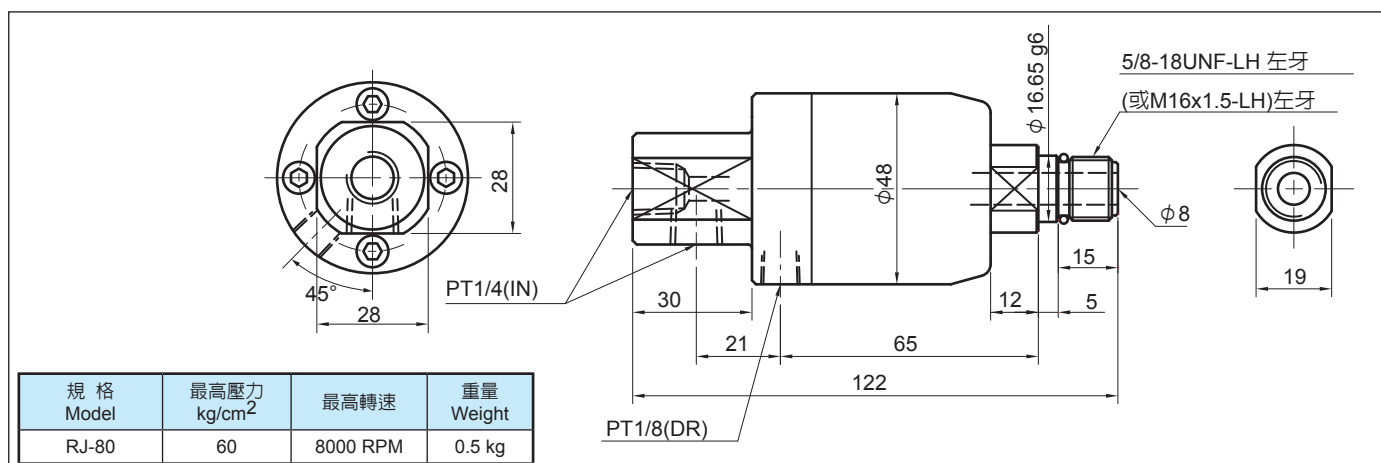
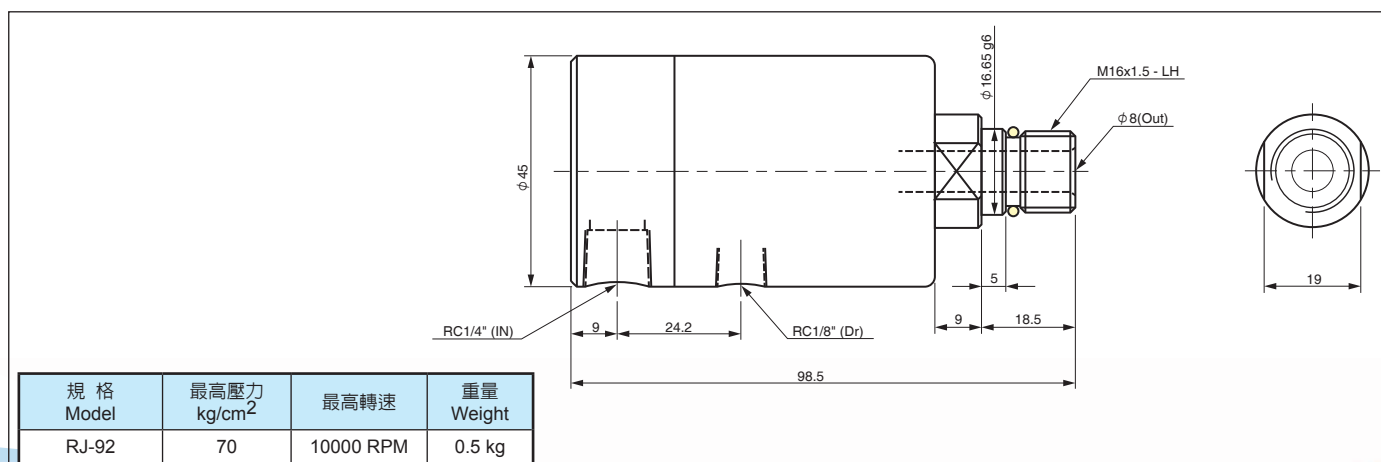
保留規格修改的權利
Subject to technical changes.

型號 Model	分流數 Distributing	最高使用壓力 Max. Pressure	重量 Weight
RV-A31H	四向(可訂製) 4 (by order)	8 kgf/cm ²	4.8 kgs

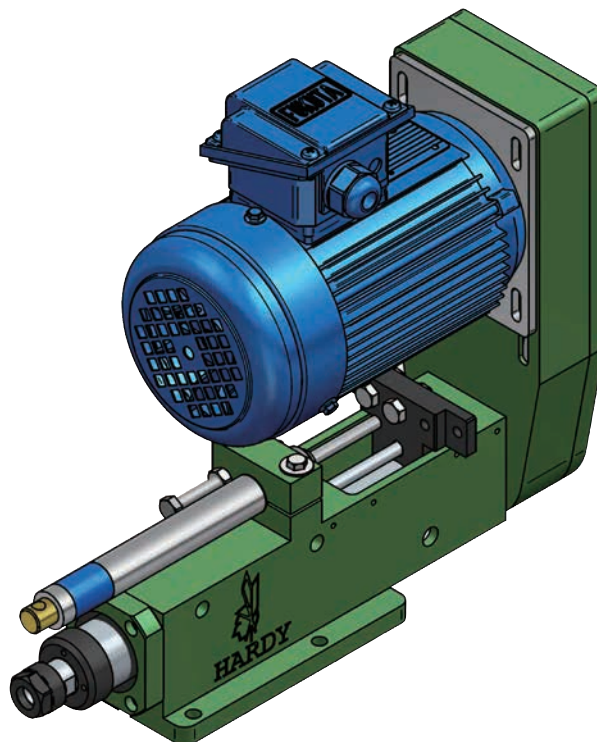
5069# 冷卻液迴轉接頭 Coolant Rotating Joint



- 高轉數，高壓力用冷卻液迴轉接頭。
- 內部止水閥使用超硬合金及精密陶瓷相配對，耐磨耗性特佳。
- Coolant joint for high speed, high pressure and medium delivery.
- Usable for oil and water-soluble coolant.
- Seal bushing inside is made of cemented carbide and ceramics, which provide higher wear-resistance.
- 無流體通過時，請勿運轉。
- The joint should not run without liquid.



5070# SD3-60/80 鑽孔主軸頭 Drilling Head Units



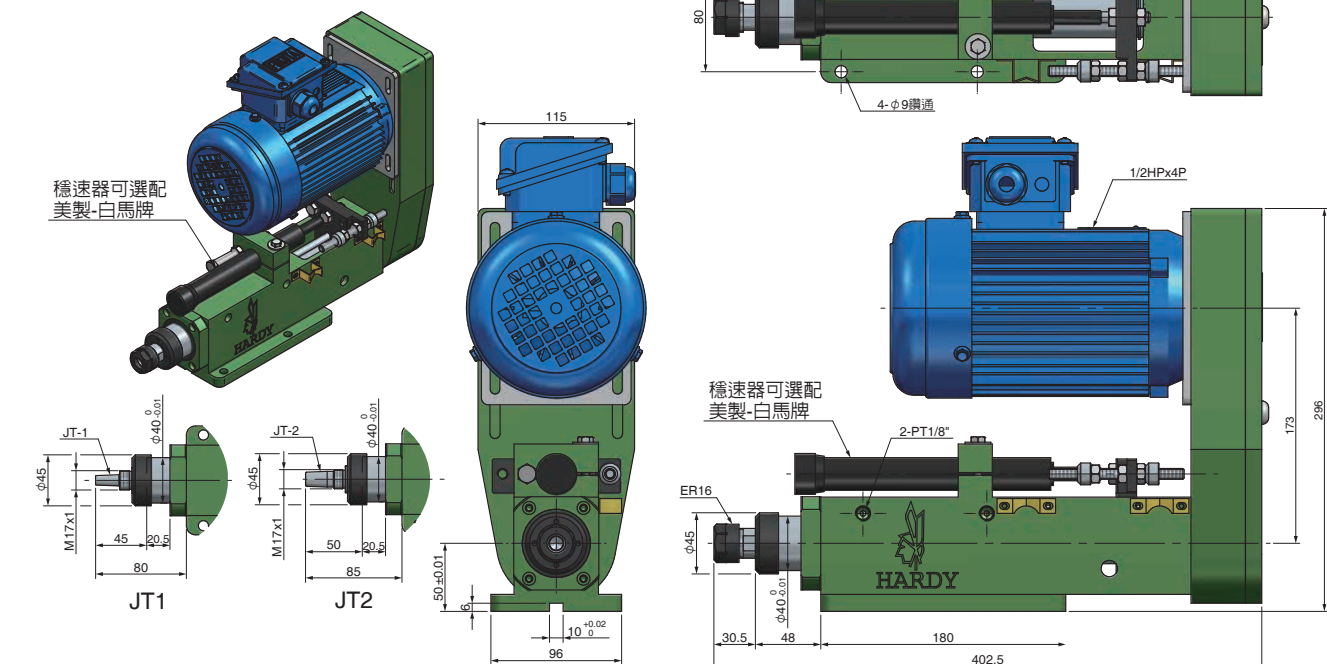
穩速器可選配美製 - 白馬牌

規 格	Model	SD3-60	SD3-80	SD3A-55	SD3A-75
鑽孔能力	Drilling Capacity (S45C)	φ 6 mm			
最大行程	Max. Stroke	60 mm	80 mm	55 mm	75 mm
最高轉速	Max. RPM	1000 RPM			
推進壓力	Propel Pressure	油壓 (H) 10~15 kg/cm ²		空壓 (A) 4~8 kg/cm ²	
油缸面積	Cylinder Diameter	前進 (F) 12.6 cm ² / 後退 (B) 7.1 cm ²			
馬 力	Horsepower, 3 Phase	1/2HP, 220V / 380V, 三相			
傳動皮帶	Transmission Belt	5J-200			
主軸軸承	Spindle Bearing	6002ZZ×4			
皮帶輪軸承	Pulley Bearing	6002ZZ×3			
前蓋油封	Front Cover Seal	TC40-50-8×1			
活塞O型環	Piston O-ring	AS-326×2 / AG-40×2 TC22-30-7×1		UHA40×2 / AG-40×1 TC22-30-7×1	
前蓋O型環	Front Cover O-ring	AG-45×2			
後蓋油封	Back Cover Seal	TC30-40-7×1 / UH30×1		TC30-40-7×1	
後蓋O型環	Back Cover O-ring	AG-45×2		AG-45×1 / AG-30×2	

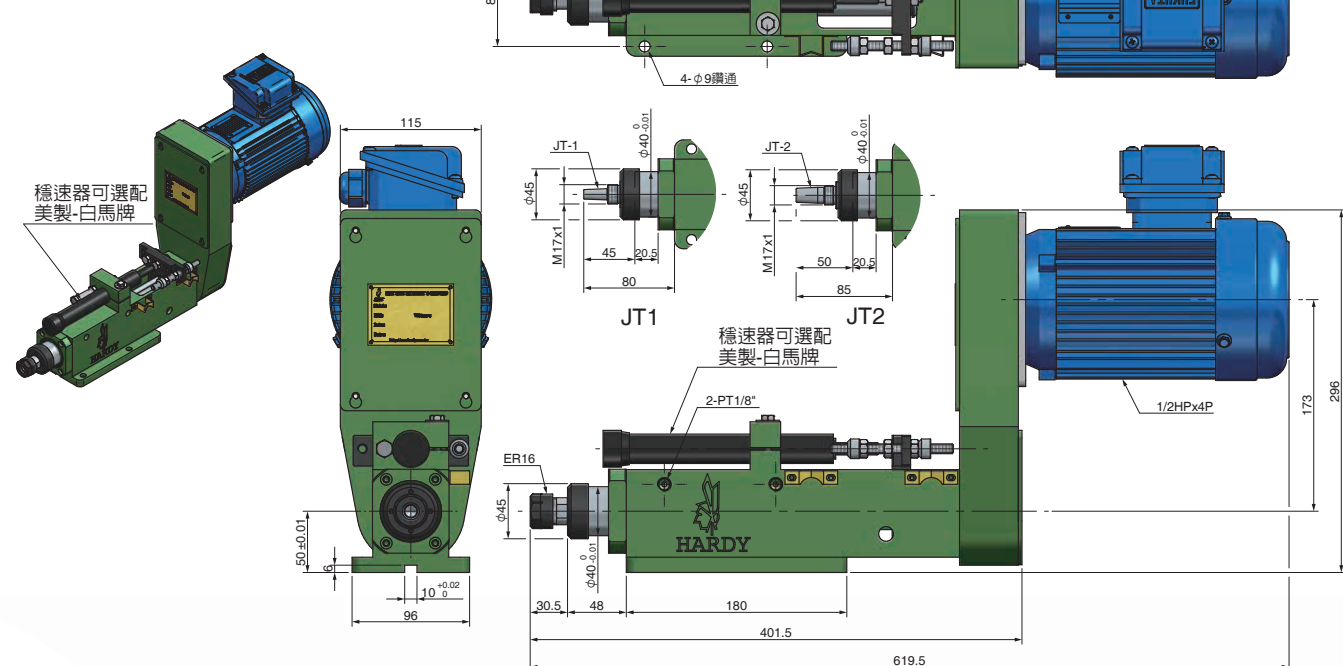
Roundness: ≤ 0.003mm

5070# SD3-60 鑽孔主軸頭
Drilling Head Units

重量	Weight	21 kg
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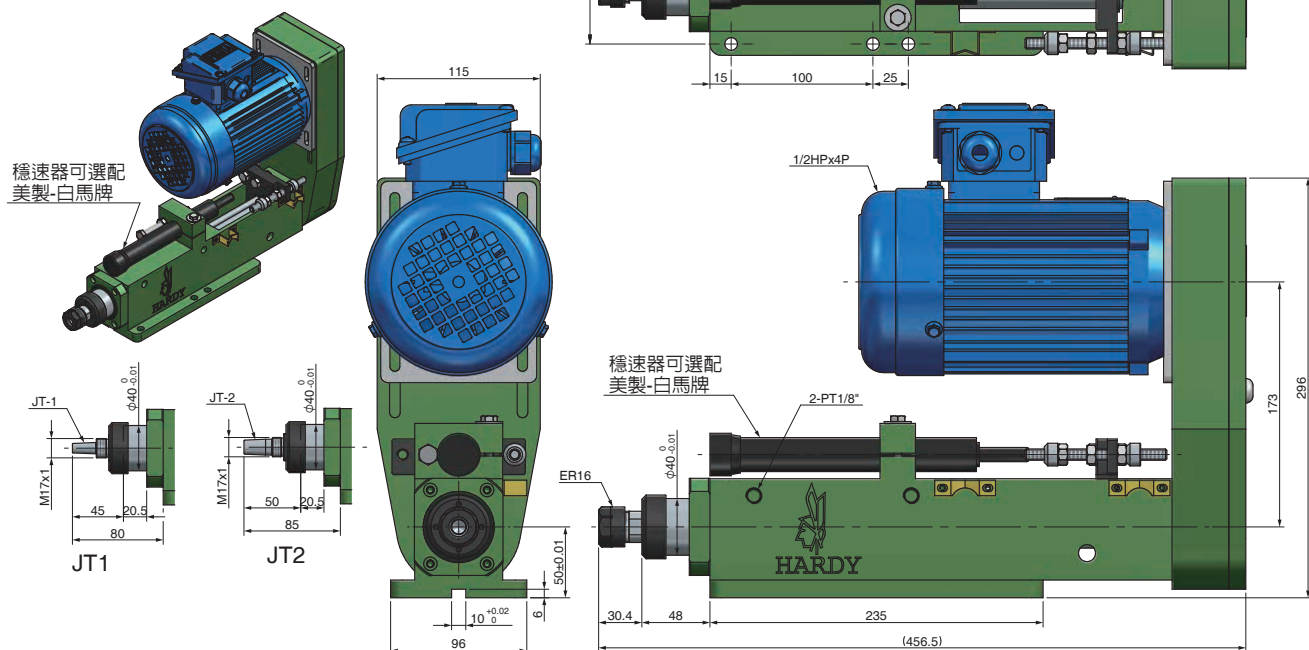
重量	Weight	21 kg
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5070# SD3-80 鑽孔主軸頭 Drilling Head Units

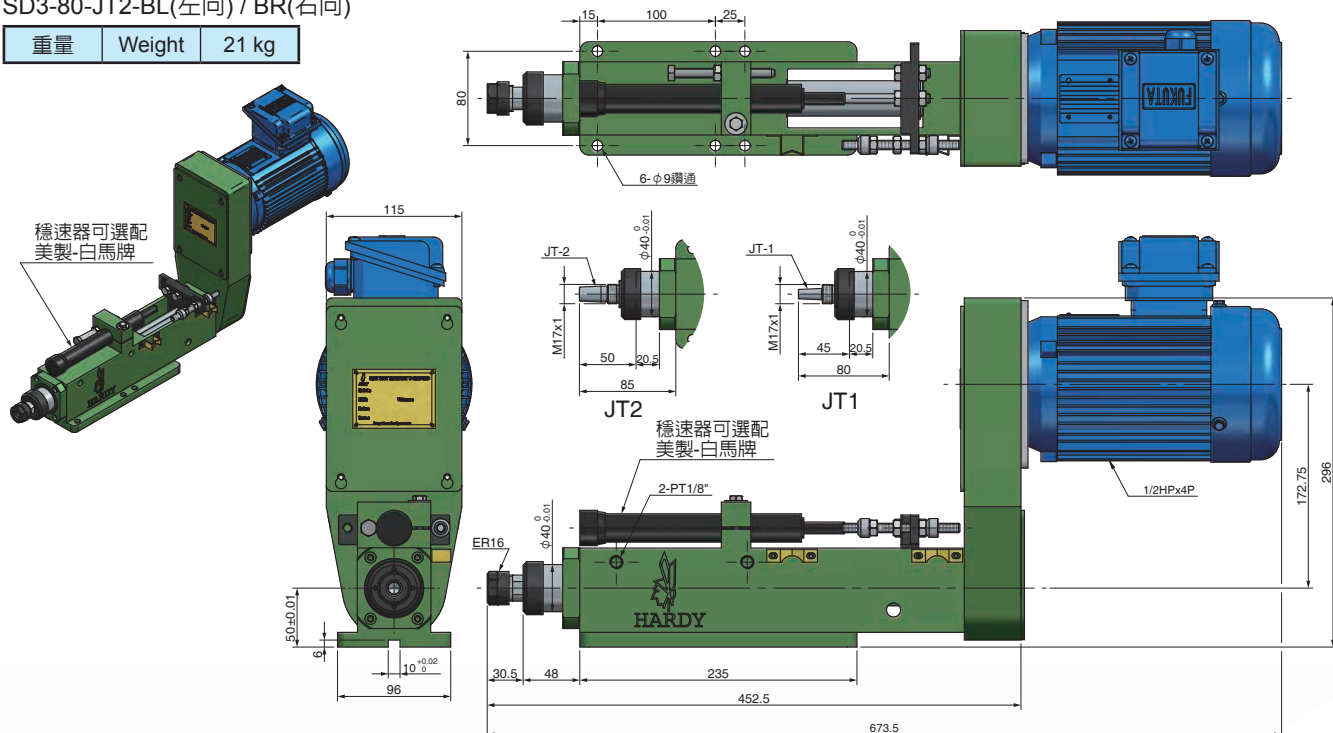
SD3-80-ER16-FL(左向) / FR(右向)
SD3-80-JT1-FL(左向) / FR(右向)
SD3-80-JT2-FL(左向) / FR(右向)

重量	Weight	21 kg
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SD3-80-ER16-BL(左向) / BR(右向)
SD3-80-JT1-BL(左向) / BR(右向)
SD3-80-JT2-BL(左向) / BR(右向)

重量	Weight	21 kg
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5070# SD3A-55 鑽孔主軸頭-空壓

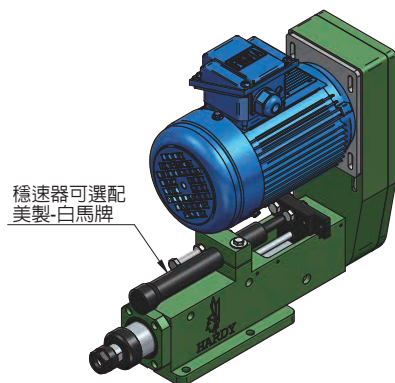
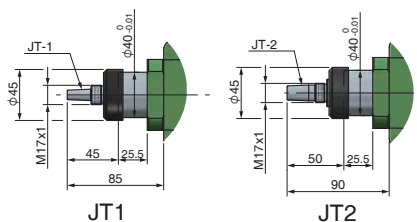
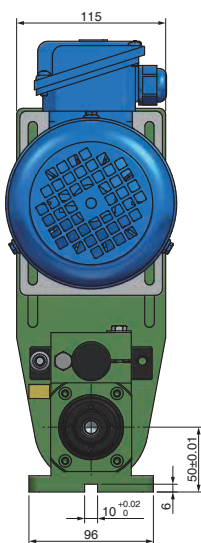
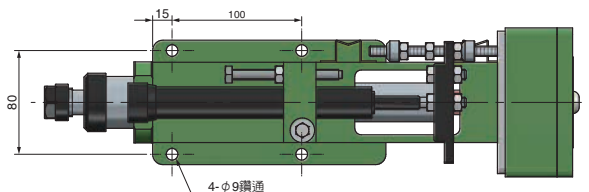
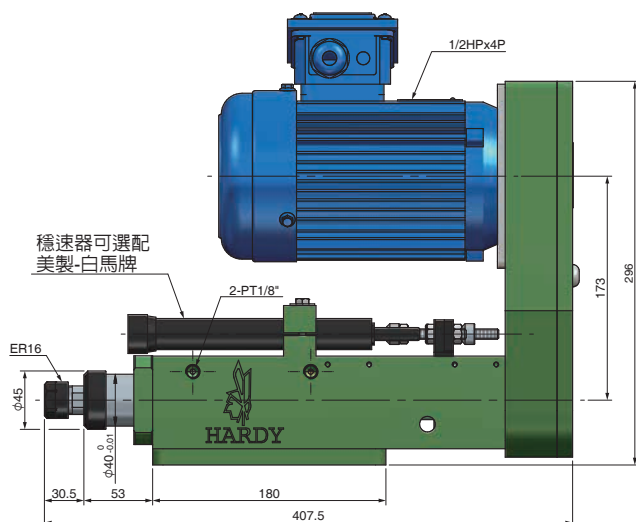
Drilling Head Units-Pneumatic

空壓Pneumatic SD3A-55-ER16-FL(左向) / FR(右向)

空壓Pneumatic SD3A-55-JT1-FL(左向) / FR(右向)

空壓Pneumatic SD3A-55-JT2-FL(左向) / FR(右向)

重量	Weight	21 kg
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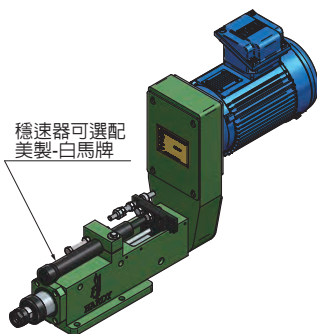
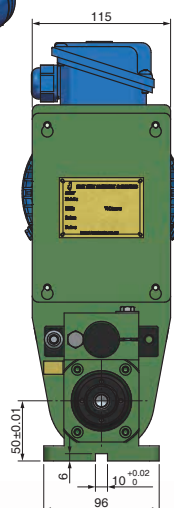
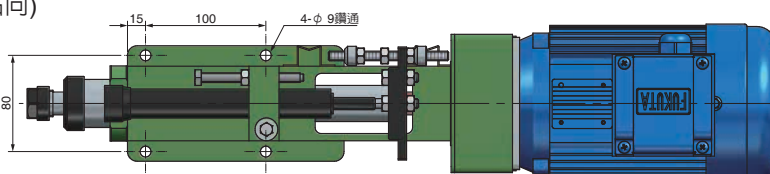
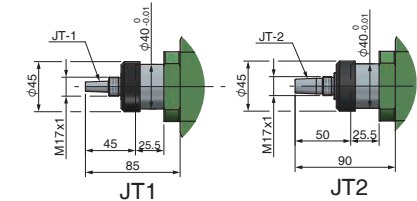
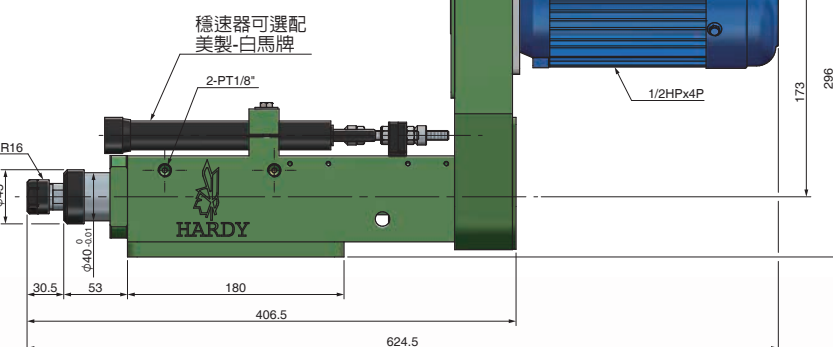


空壓Pneumatic SD3A-55-ER16-BL(左向) / BR(右向)

空壓Pneumatic SD3A-55-JT1-BL(左向) / BR(右向)

空壓Pneumatic SD3A-55-JT2-BL(左向) / BR(右向)

重量	Weight	21 kg
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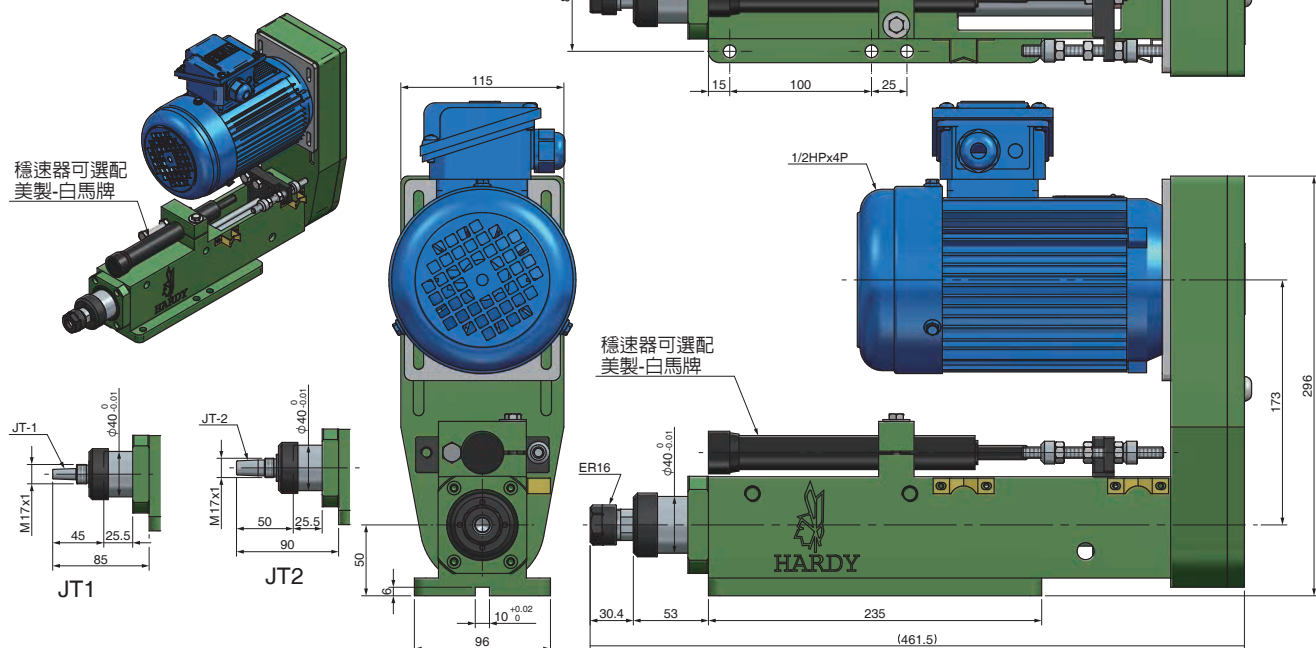
5070# SD3A-75 鑽孔主軸頭-空壓
Drilling Head Units-Pneumatic

空壓Pneumatic SD3A-75-ER16-FL(左向) / FR(右向)

空壓Pneumatic SD3A-75-JT1-FL(左向) / FR(右向)

空壓Pneumatic SD3A-75-JT2-FL(左向) / FR(右向)

重量	Weight	21 kg
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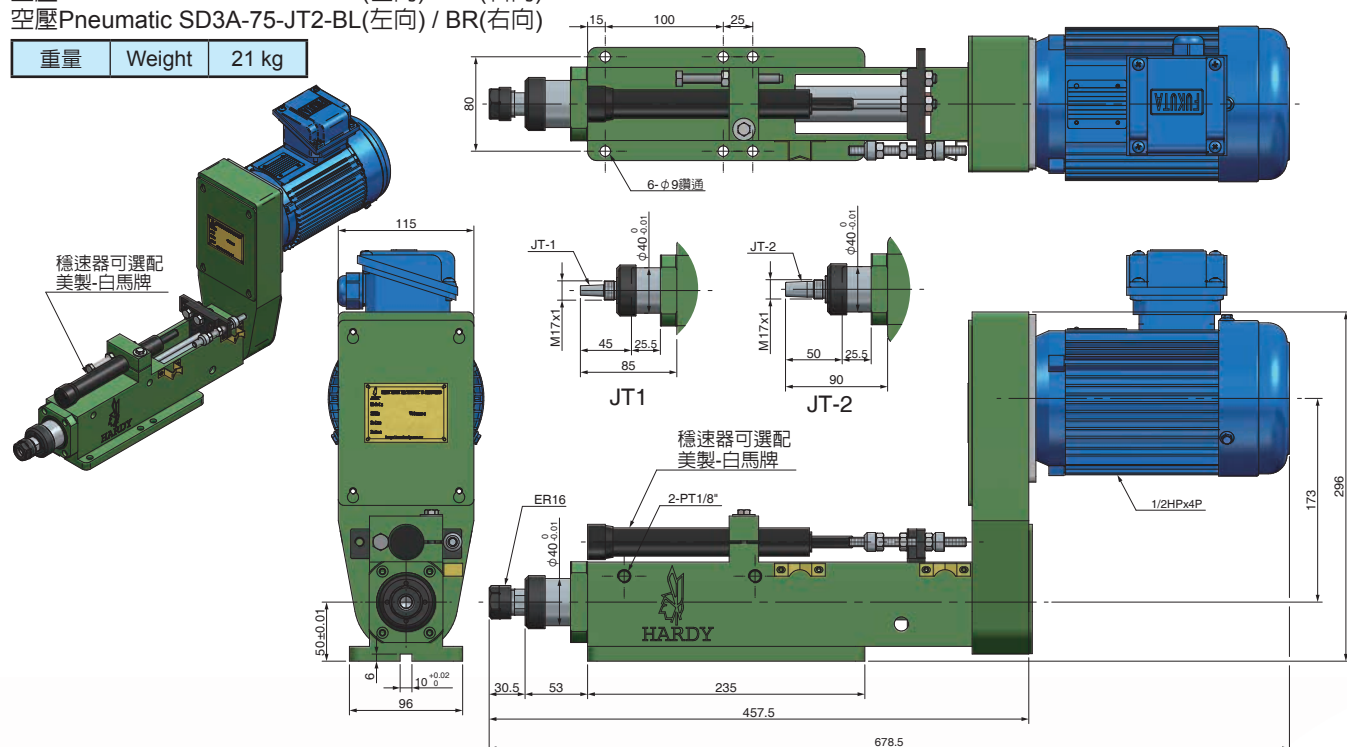


空壓Pneumatic SD3A-75-ER16-BL(左向) / BR(右向)

空壓Pneumatic SD3A-75-JT1-BL(左向) / BR(右向)

空壓Pneumatic SD3A-75-JT2-BL(左向) / BR(右向)

重量	Weight	21 kg
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5071# SD5-85 鑽孔主軸頭 Drilling Head Units



穩速器可選配美製 - 白馬牌

規 格	Model	SD5-85	SD5A-80
鑽孔能力	Drilling Capacity (S45C)	φ 13mm	
最大行程	Max. Stroke	85mm	80mm
最高轉速	Max. RPM	5000 RPM	
推進壓力	Propel Pressure	油壓 (H) 20~25 kg/cm ²	空壓 (A) 4~8 kg/cm ²
油缸面積	Cylinder Diameter	前進 (F) 21.5 cm ² 後退 (B) 11.5 cm ²	
馬 力	Horsepower, 3 Phase	1HP, 220V/380V	
傳動皮帶	Transmission Belt	5M - 615	
主軸軸承	Spindle Bearing	6004ZZ×4	
皮帶輪軸承	Pulley Bearing	6203ZZ×3	
前蓋油封	Front Cover Seal	DKB 50-62-10×1	
活塞O型環	Piston O-ring	AP-53×3	UHA-53×2
前蓋O型環	Front Cover O-ring	AG-58×2 / AP-50×2 AG-68×1	AG-58×2 / AP-50×1 AG-50×1 / AG-68×1
後蓋油封	Back Cover Seal	TC35-45-8×1	
後蓋O型環	Back Cover O-ring	AG-58×2 UH-35-45-6×1	AG-58×2 UHA-35-45-6×1

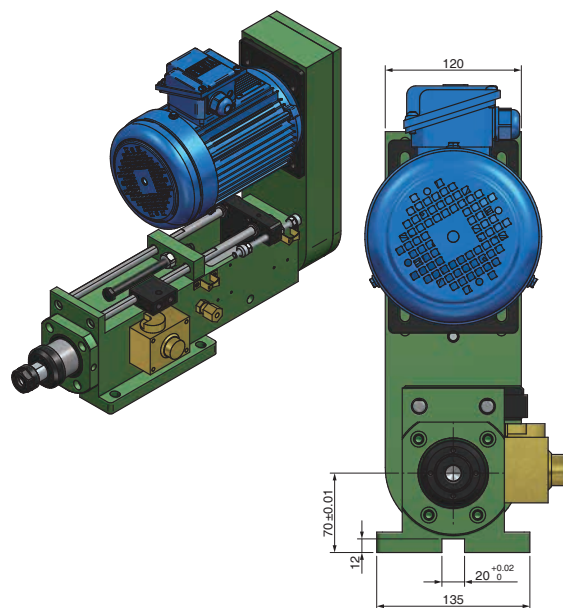
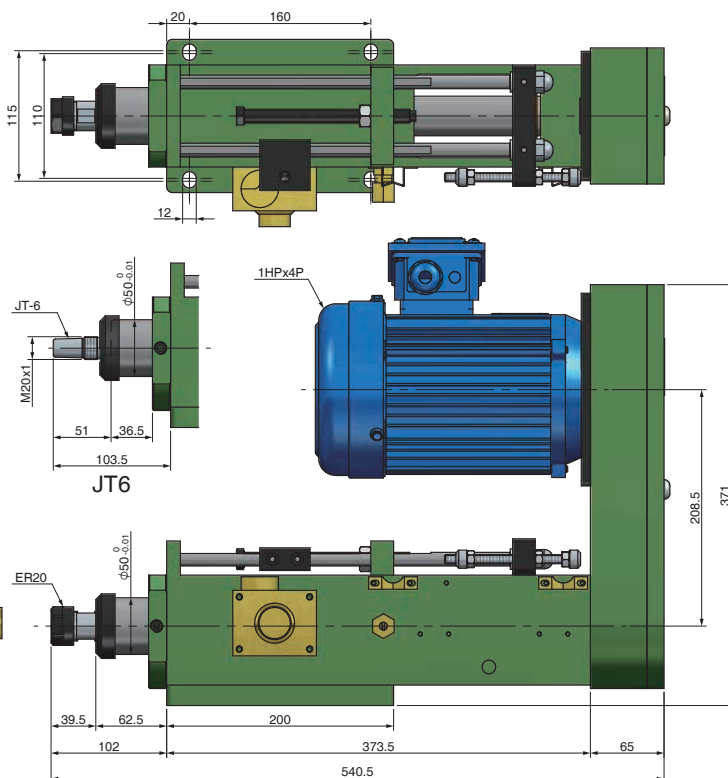
Roundness: ≤ 0.003mm

5071# SD5-85 鑽孔主軸頭 Drilling Head Units

油壓Hydraulic SD5-85-ER20-FL(左向) / FR(右向)

油壓Hydraulic SD5-85-JT6-FL(左向) / FR(右向)

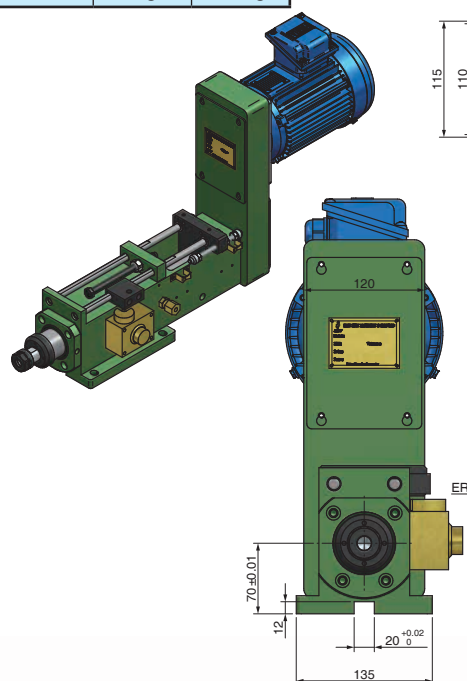
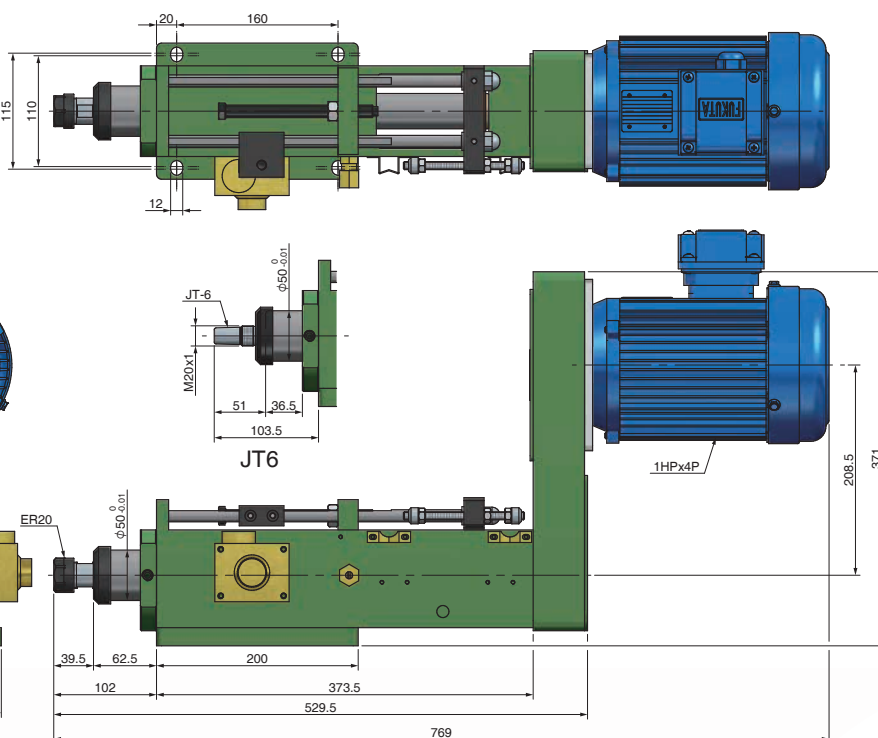
重量	Weight	39 kg
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油壓Hydraulic SD5-85-ER20-BL(左向) / BR(右向)

油壓Hydraulic SD5-85-JT6-BL(左向) / BR(右向)

重量	Weight	39 kg
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5072# SD7-130 鑽孔主軸頭 Drilling Head Units



馬達板型組合

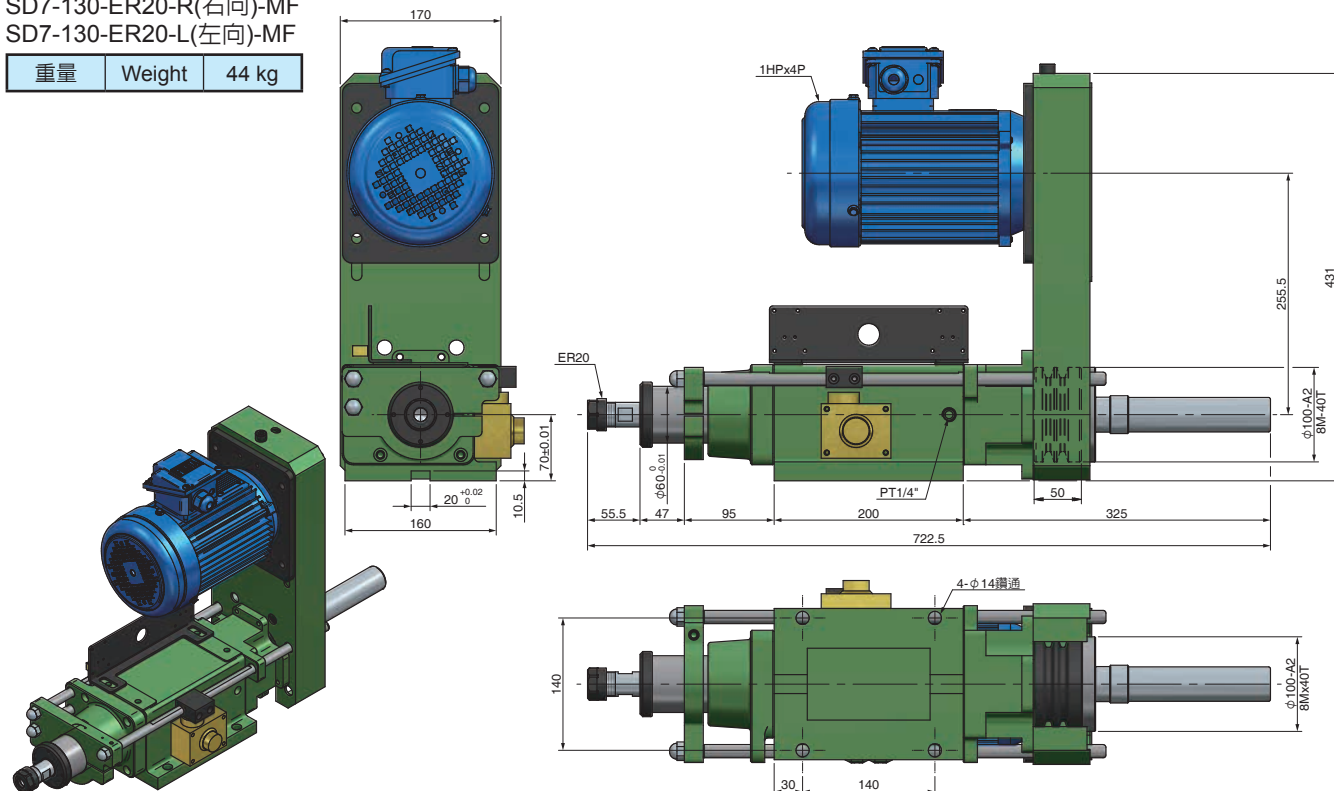
規 格	Model	SD7-130
鑽孔能力	Drilling Capacity (S45C)	ϕ 20 mm
最大行程	Max. Stroke	130 mm
最高轉速	Max. RPM	2500 RPM
推進壓力	Propel Pressure	油壓 (H) 20~30 kg/cm ²
油缸面積	Cylinder Diameter	前進 (F) 37 cm ² 後退 (B) 15.9 cm ²
馬 力	Horsepower, 3 Phase	1 HP , 220V / 380V
傳動皮帶	Transmission Belt	A2× ϕ 100 / 8M×40T×50W
主軸軸承	Spindle Bearing	6004Z / 32004 6005Z / 32005
皮帶輪軸承	Pulley Bearing	6008Z / 51208
前蓋油封	Front Cover Seal	TC60-70-10×1
活塞O型環	Piston O-ring	AP-65×2 / AG-35×1 / TC32-52-10×1
前蓋O型環	Front Cover O-ring	AP-60×2 / AG-70×1 / AG-80×1
後蓋O型環	Back Cover O-ring	AP-30×2 / AG-70×1 / AG-80×1

Roundness: $\leq 0.003\text{mm}$

5072# SD7-130 鑽孔主軸頭 Drilling Head Units

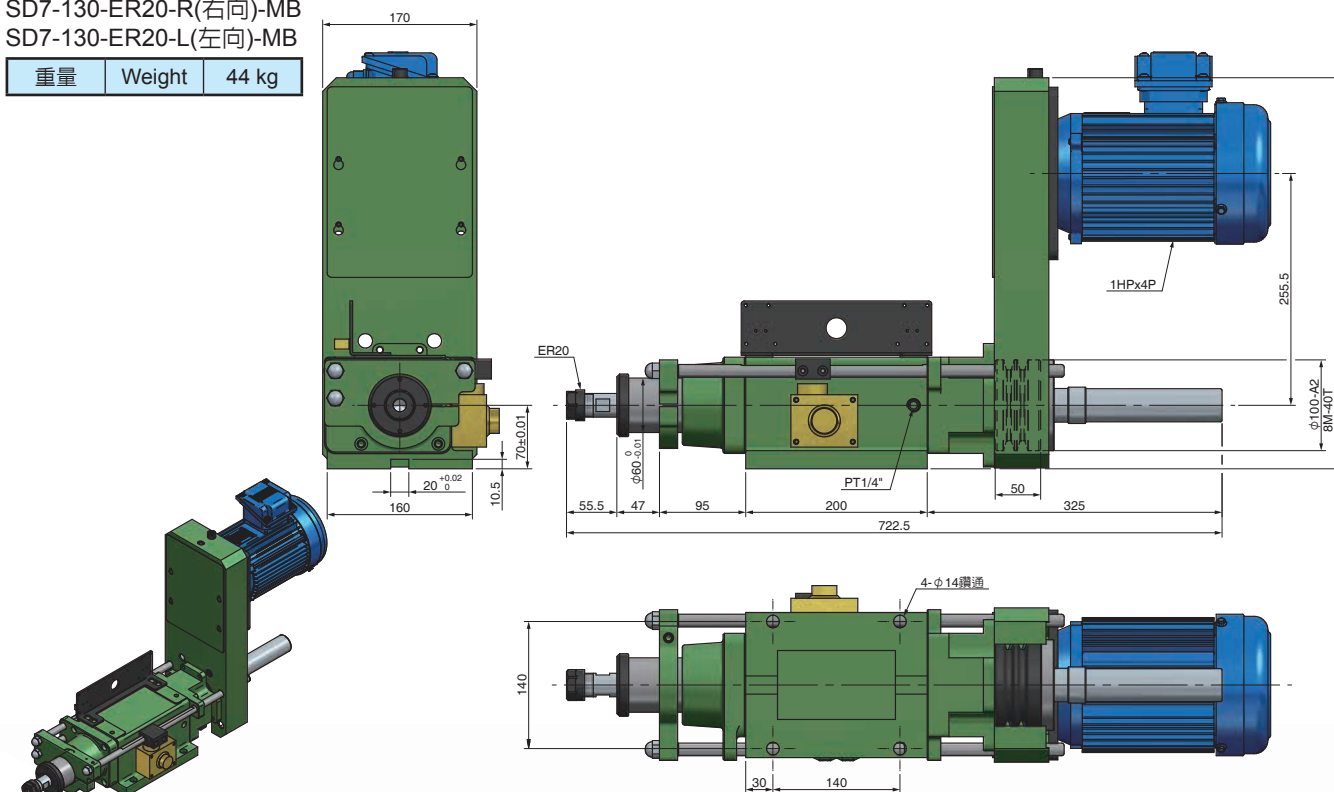
SD7-130-ER20-R(右向)-MF
SD7-130-ER20-L(左向)-MF

重量	Weight	44 kg
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SD7-130-ER20-R(右向)-MB
SD7-130-ER20-L(左向)-MB

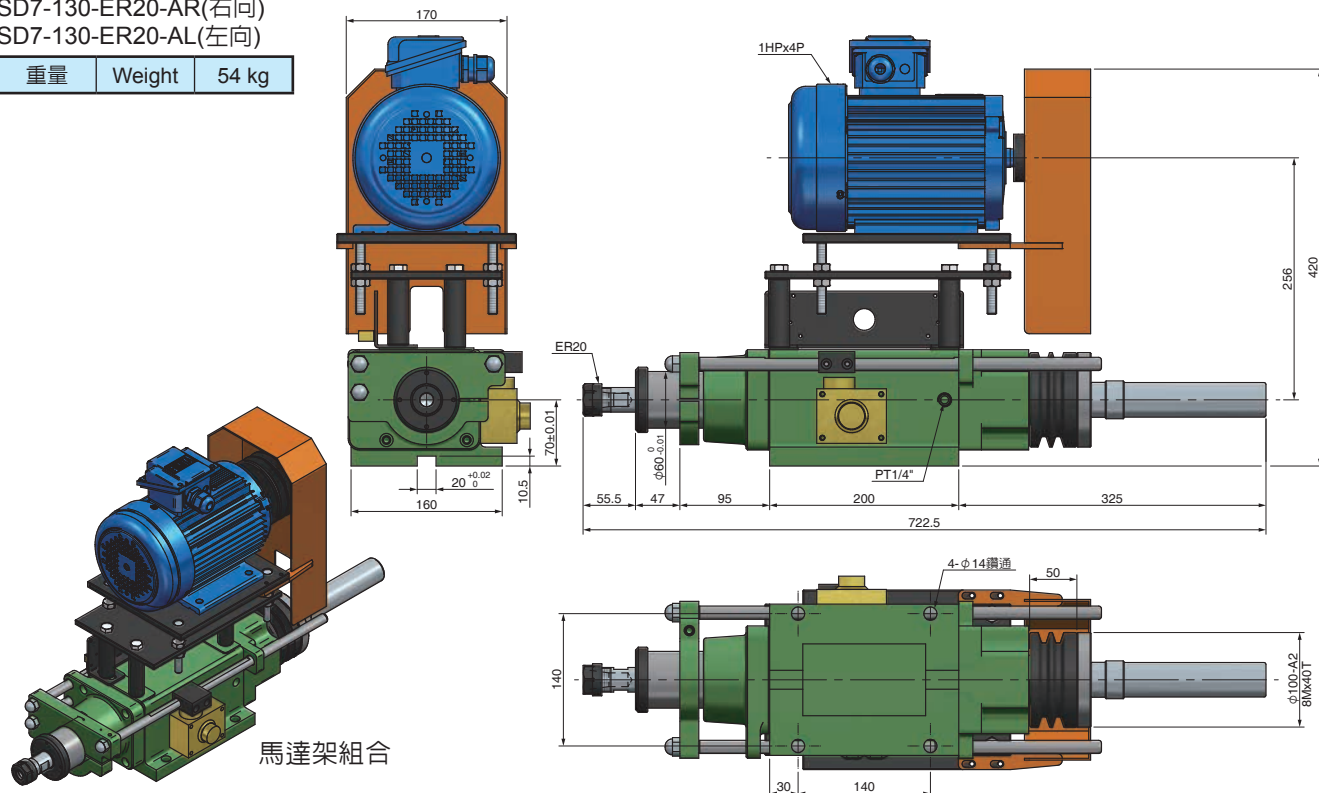
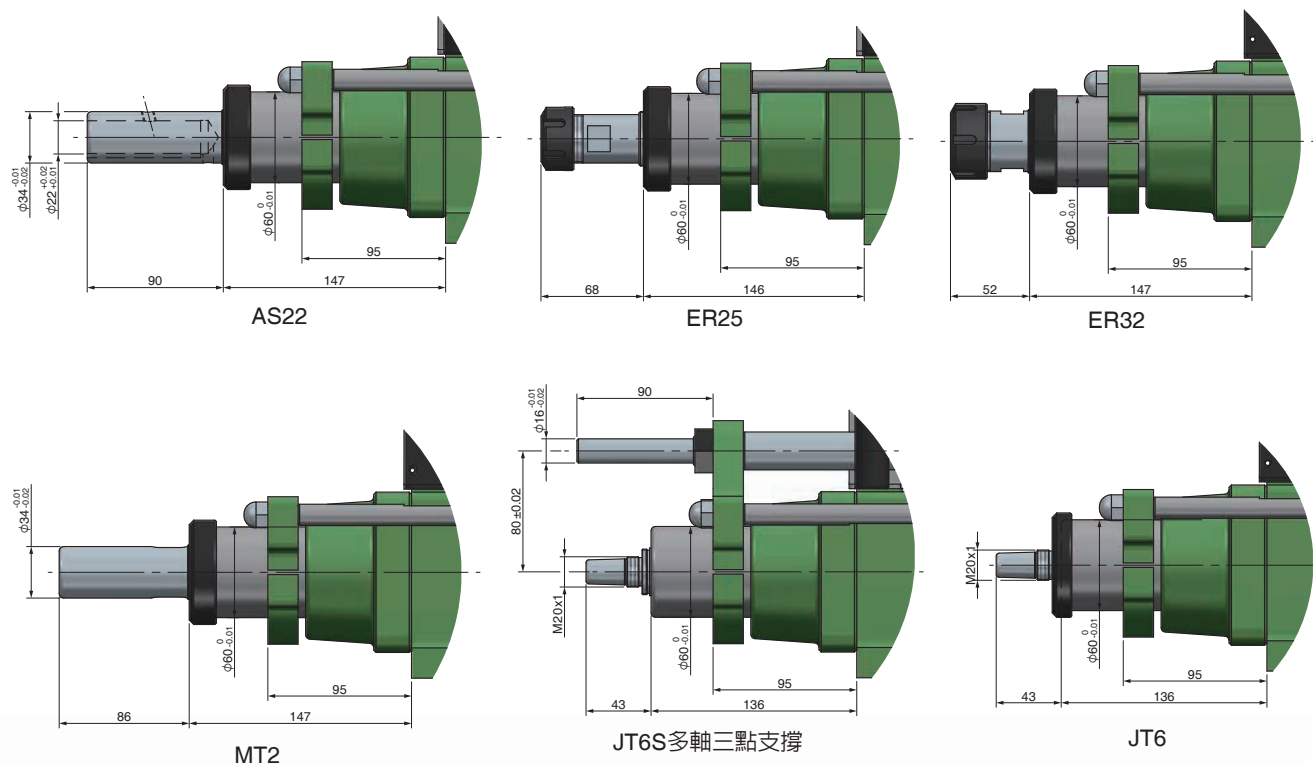
重量	Weight	44 kg
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5072# SD7-130 鑽孔主軸頭 Drilling Head Units

SD7-130-ER20-AR(右向)
SD7-130-ER20-AL(左向)

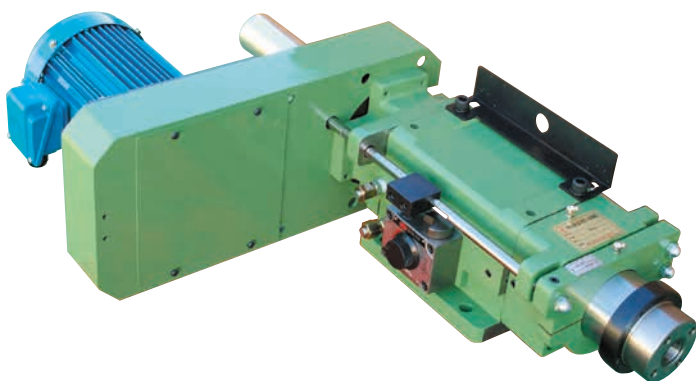
重量	Weight	54 kg
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5073# SD8-150 鑽孔主軸頭 Drilling Head Units



馬達板型組合



馬達盒組合

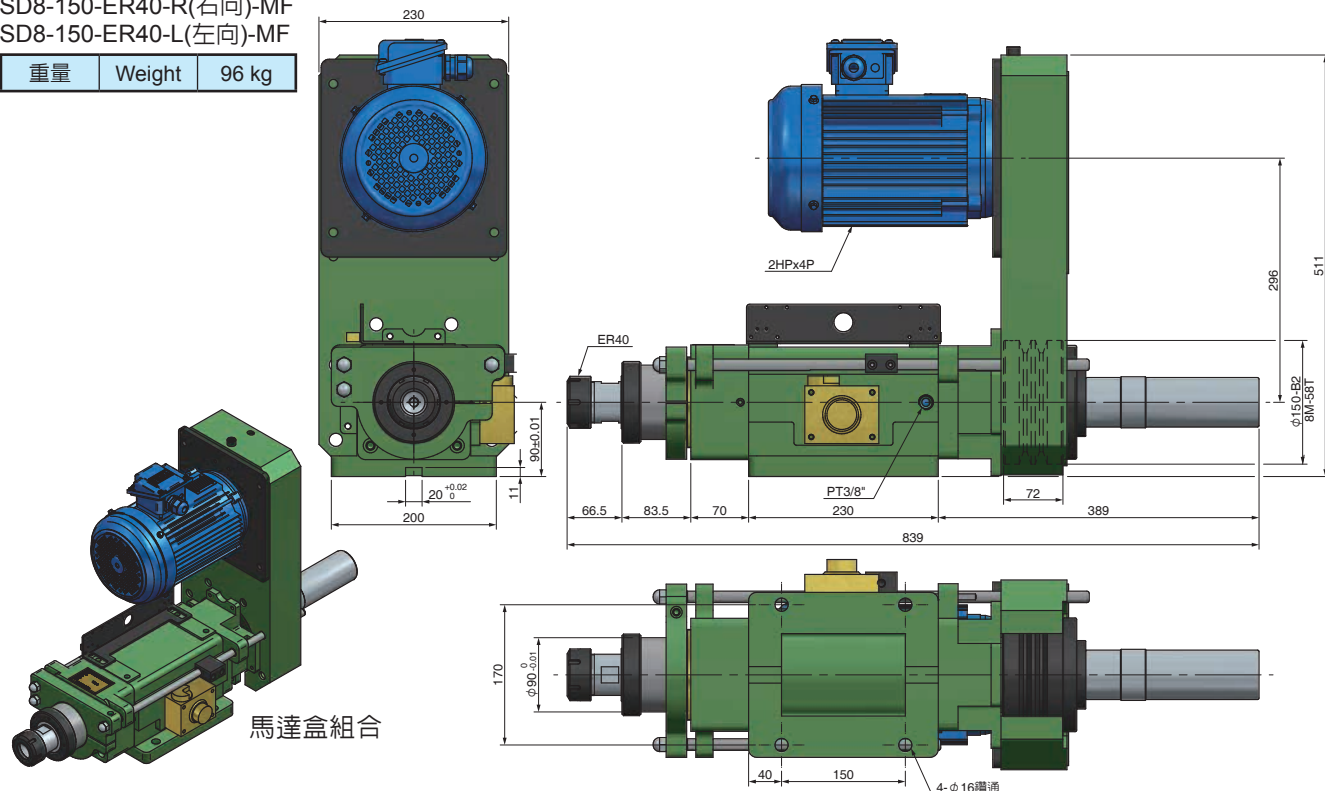
規 格	Model	SD8-150
鑽孔能力	Drilling Capacity (S45C)	φ 35 mm
最大行程	Max. Stroke	150 mm
最高轉速	Max. RPM	1500 RPM
推進壓力	Propel Pressure	油壓 (H) 20~35 kg/cm ²
油缸面積	Cylinder Diameter	前進 (F) 71.2 cm ² 後退 (B) 31.4 cm ²
馬 力	Horsepower, 3 Phase	2 HP, 220V / 380V
傳動皮帶	Transmission Belt	B2× φ 150 / 8M×58T×56W
主軸軸承	Spindle Bearing	6008Z / 32008 6010Z / 32010
皮帶輪軸承	Pulley Bearing	6013Z×1 / 51213×1
前蓋油封	Front Cover Seal	LBH90×1
活塞O型環	Piston O-ring	AP-100×3 / AG-65×1 / TC60-82-12×1
前蓋O型環	Front Cover O-ring	AG-105×1 / AP-90×2 / AG-115×1
後蓋O型環	Back Cover O-ring	AP-55×2 / AG-105×1 / AG-115×1

Roundness: ≤ 0.003mm

5073# SD8-150 鑽孔主軸頭 Drilling Head Units

SD8-150-ER40-R(右向)-MF
SD8-150-ER40-L(左向)-MF

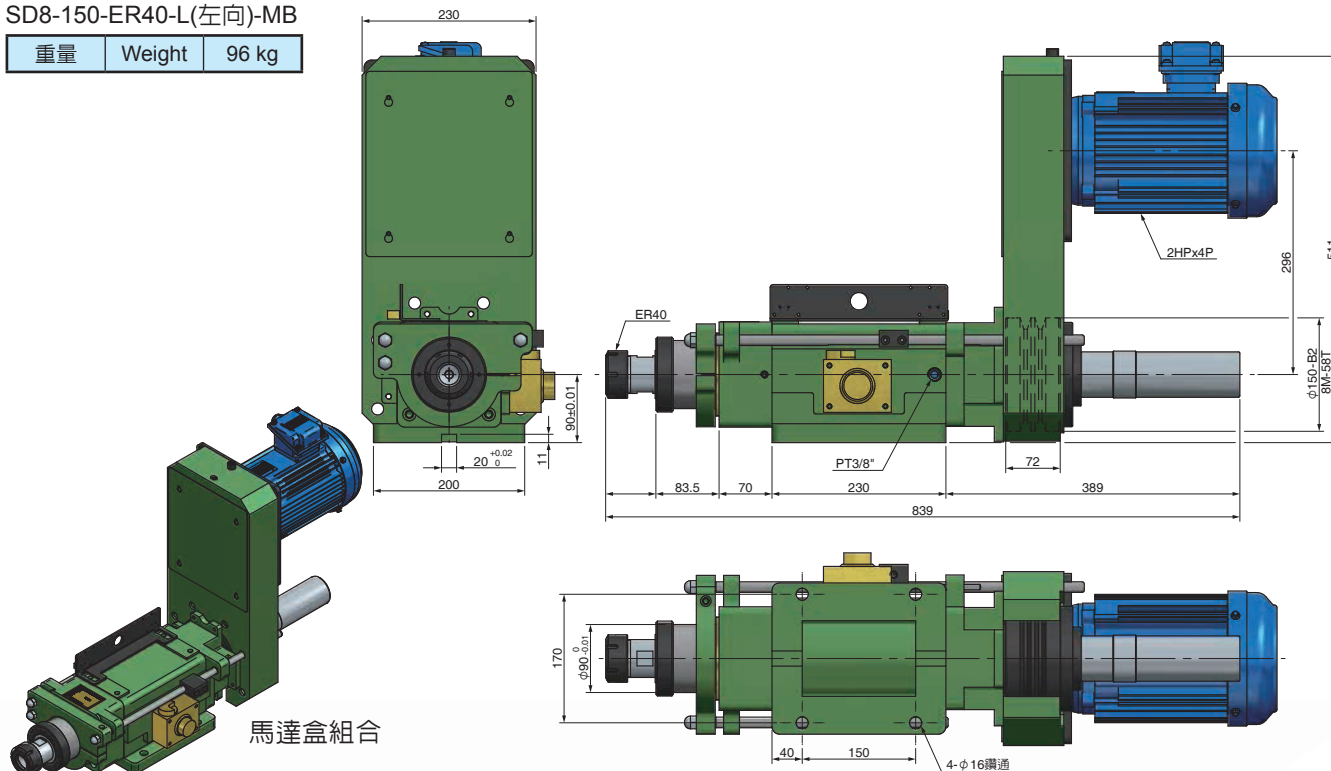
重量	Weight	96 kg
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馬達盒組合

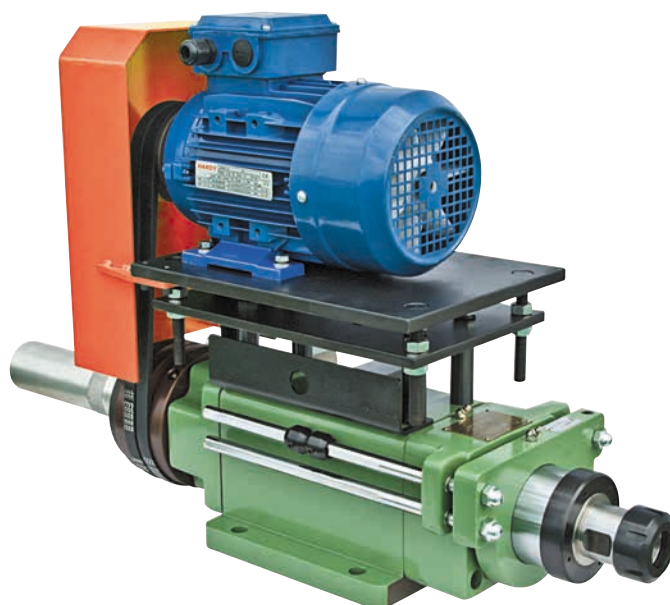
SD8-150-ER40-R(右向)-MB
SD8-150-ER40-L(左向)-MB

重量	Weight	96 kg
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馬達盒組合

5074# SD8-200 鑽孔主軸頭 Drilling Head Units



馬達板型組合

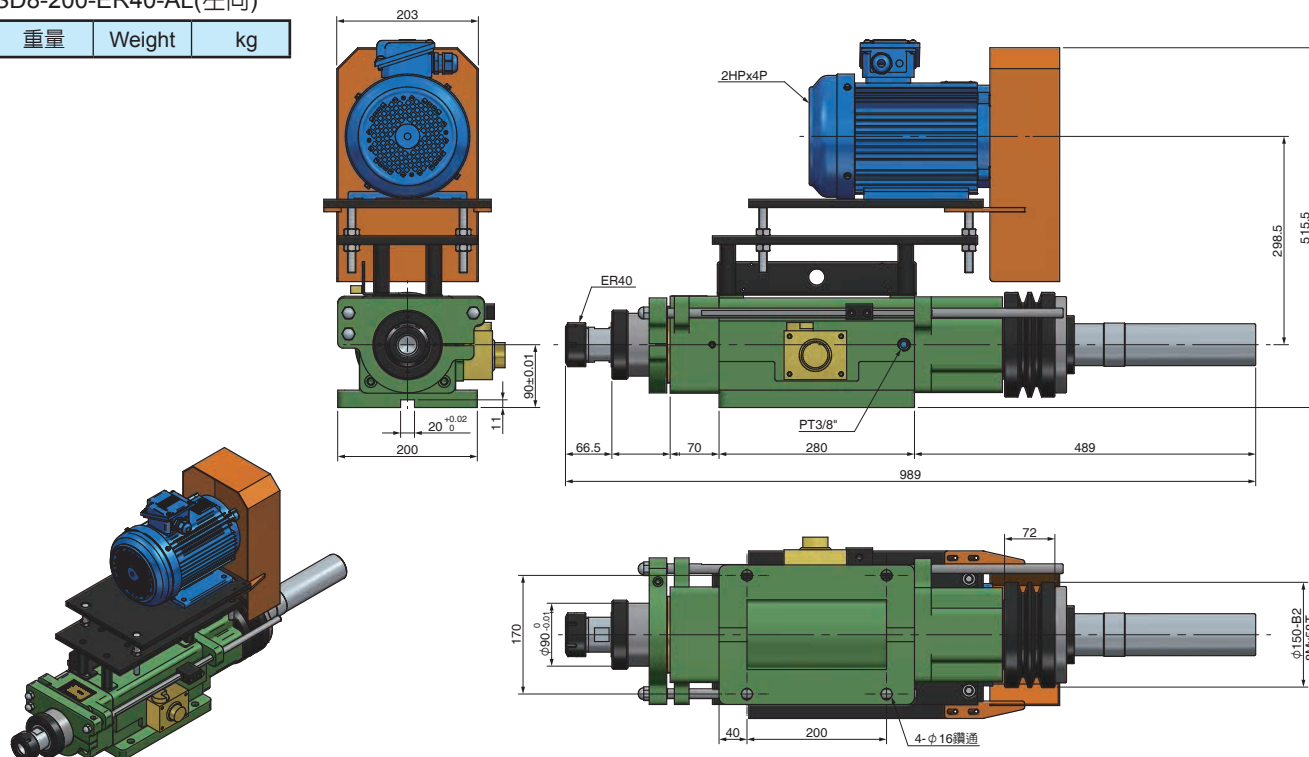
規 格	Model	SD8-200
鑽孔能力	Drilling Capacity (S45C)	φ 35 mm
最大行程	Max. Stroke	200 mm
最高轉速	Max. RPM	1500 RPM
推進壓力	Propel Pressure	油壓 (H) 20~35 kg/cm ² 前進 (F) 71.2 cm ²
油缸面積	Cylinder Diameter	後退 (B) 31.4 cm ²
馬 力	Horsepower, 3 Phase	2HP , 220V / 380V
傳動皮帶	Transmission Belt	B2× φ 150 / 8M×58T×56W
主軸軸承	Spindle Bearing	6008Z / 32008 6010Z / 32010
皮帶輪軸承	Pulley Bearing	6013Z×1 / 51213×1
前蓋油封	Front Cover Seal	LBH90×1
活塞O型環	Piston O-ring	AP-100×3 / AG-65×1 / TC60-82-12×1
前蓋O型環	Front Cover O-ring	AG-105×1 / AP-90×1 / AG-115×1
後蓋O型環	Back Cover O-ring	AP-55×1 / AG-105×1 / AG-115×1

Roundness: ≤0.003mm

5074# SD8-200 鑽孔主軸頭 Drilling Head Units

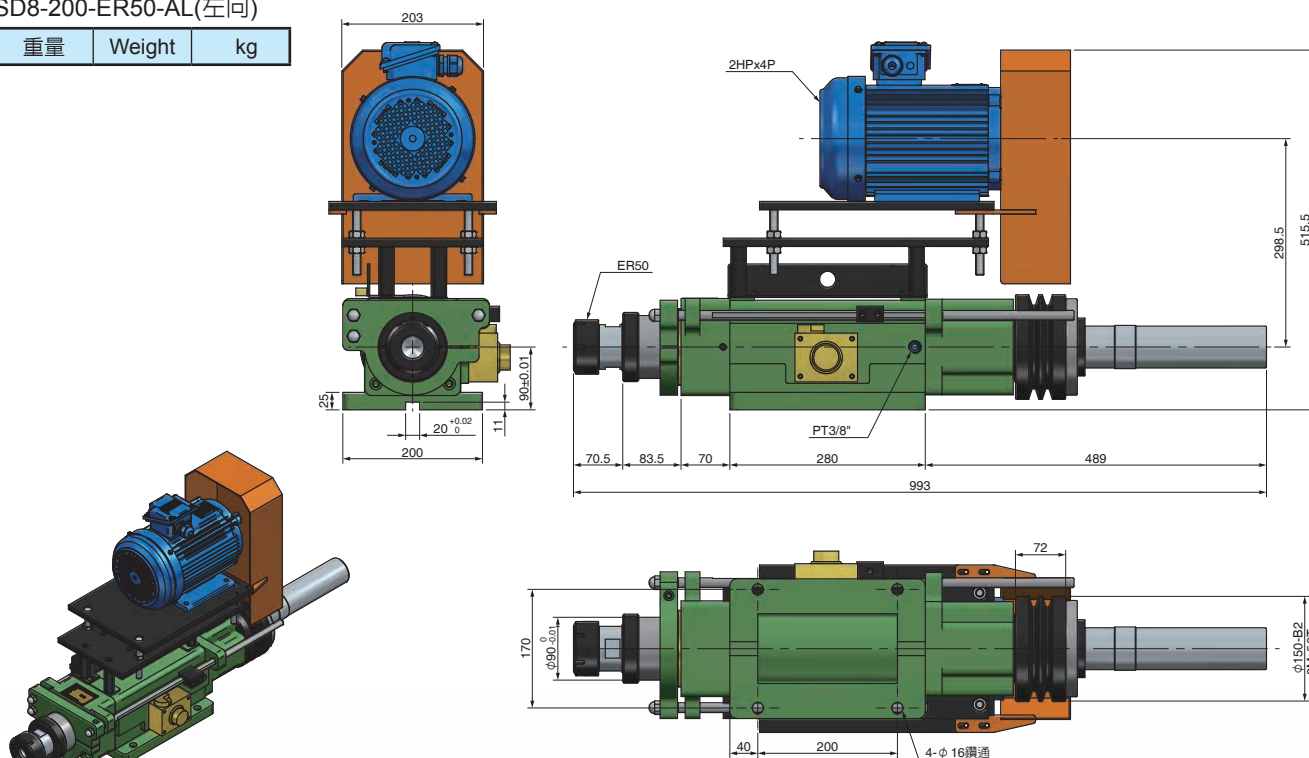
SD8-200-ER40-AR(右向)
SD8-200-ER40-AL(左向)

重量	Weight	kg
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SD8-200-ER50-AR(右向)
SD8-200-ER50-AL(左向)

重量	Weight	kg
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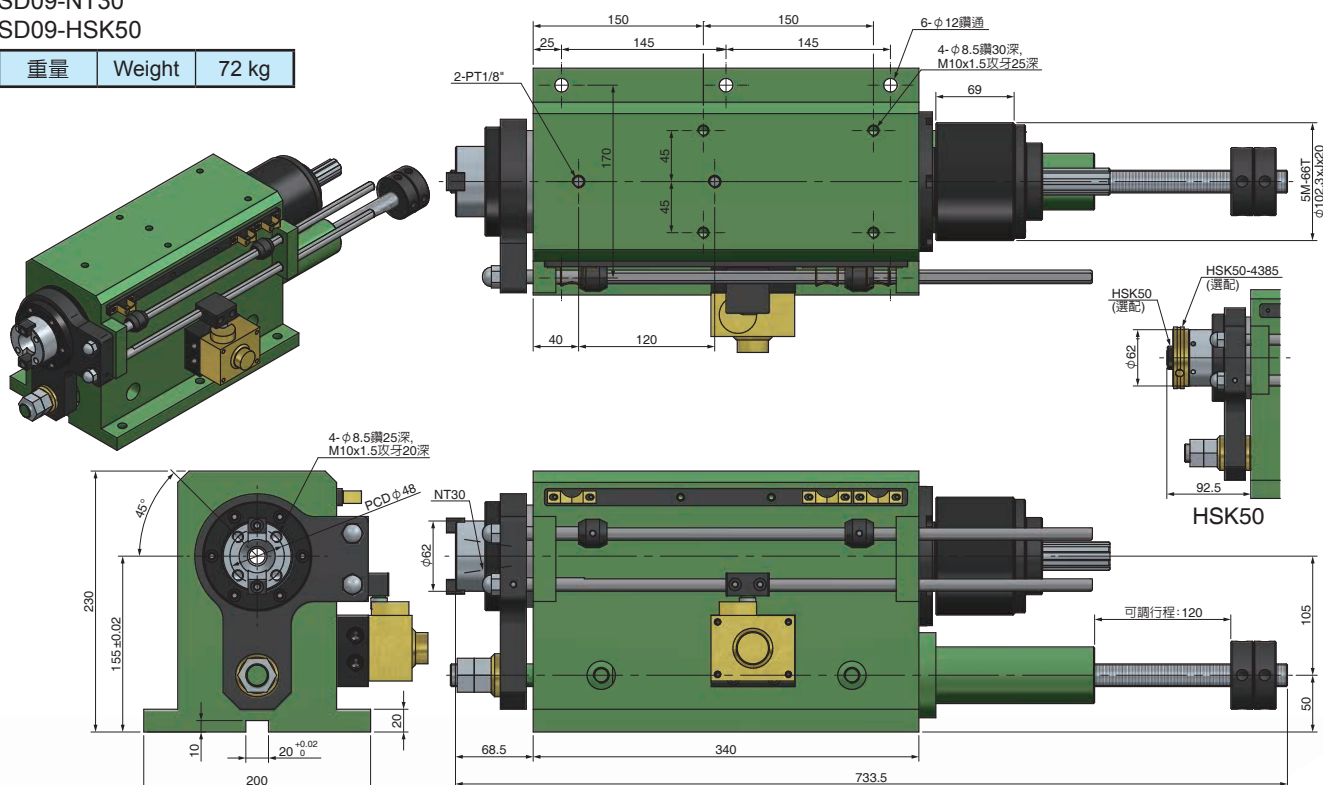
5075# SD09-120 油壓鑽孔/搪銑動力頭 Drilling/Milling Spindle Head-Hydraulic Type

規格	Model	SD09	SD09H
鑽孔能力	Drilling Capacity(S45C)	$\phi 25 \text{ mm}$	
最大行程	Max. Stroke	120 mm	
最高轉速	Max. RPM	3000	8000
推進壓力	Propel Pressure	油壓(H)30~40kg/cm ²	
油缸面積	Cylinder Diameter	14.7cm ² (缸徑 $\phi 50$; 心軸 $\phi 25$)	
馬力	Horsepower	2HP×4P	
主軸皮帶輪	Spindle Pulley	5M-66T×69W / $\phi 102.3 \times J \times 20$	
主軸軸承	Spindle Bearing	6007Z×1 / 6006Z×1 32007×1 / 32006×1	7007×2 7006×2
皮帶輪軸承	Pulley Bearing	6010ZZ×2	
前蓋油封	Front Cover Seal	TC90-110-12×1	
主軸油封	Spindle Seal	TC50-65-8×1	

Roundness: $\leq 0.003\text{mm}$

SD09-NT30
SD09-HSK50

重量	Weight	72 kg
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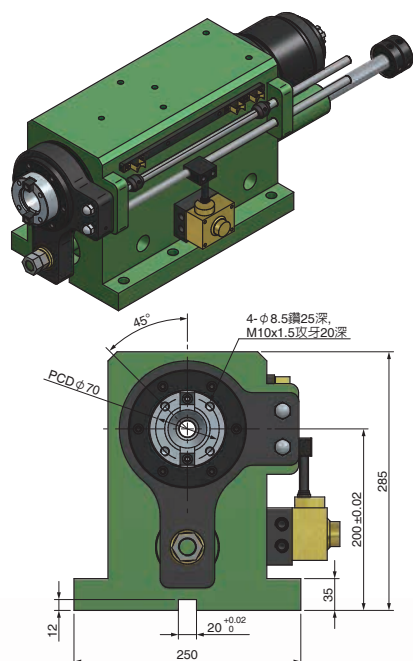
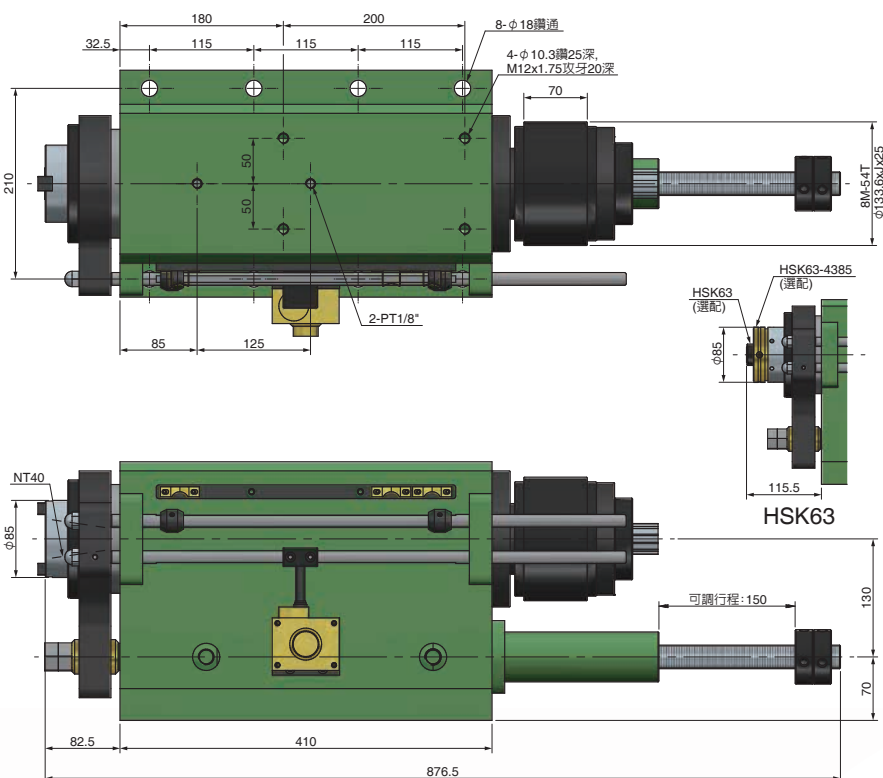
5076# SD12-150 油壓鑽孔/搪銑動力頭 Drilling/Milling Spindle Head-Hydraulic Type

規格	Model	SD12	SD12H
鑽孔能力	Drilling Capacity(S45C)	$\phi 35 \text{ mm}$	
最大行程	Max. Stroke	150 mm	
最高轉速	Max. RPM	2000	6000
推進壓力	Propel Pressure	油壓(H)30~40kg/cm ²	
油缸面積	Cylinder Diameter	21.2cm ² (缸徑 $\phi 60$; 心軸 $\phi 30$)	
馬力	Horsepower	3HP×4P	
主軸皮帶輪	Spindle Pulley	8M-54T×70W / $\phi 133.6 \times J \times 25$	
主軸軸承	Spindle Bearing	6011Zx1 / 6009Zx1 32011x1 / 32009x1	7011x2 7009x2
皮帶輪軸承	Pulley Bearing	6211ZZx2	
前蓋油封	Front Cover Seal	TC120-145-12×1	
主軸油封	Spindle Seal	TC75-90-12×1	

Roundness: $\leq 0.003\text{mm}$

SD12-NT40 SD12-HSK63

重量	Weight	136 kg
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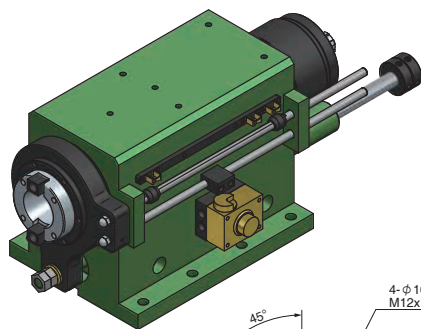
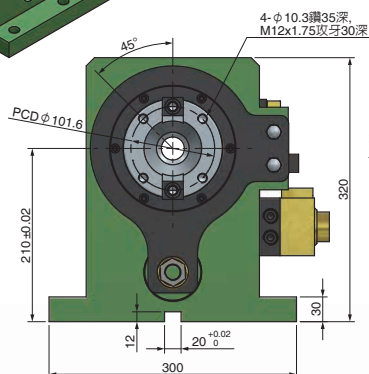
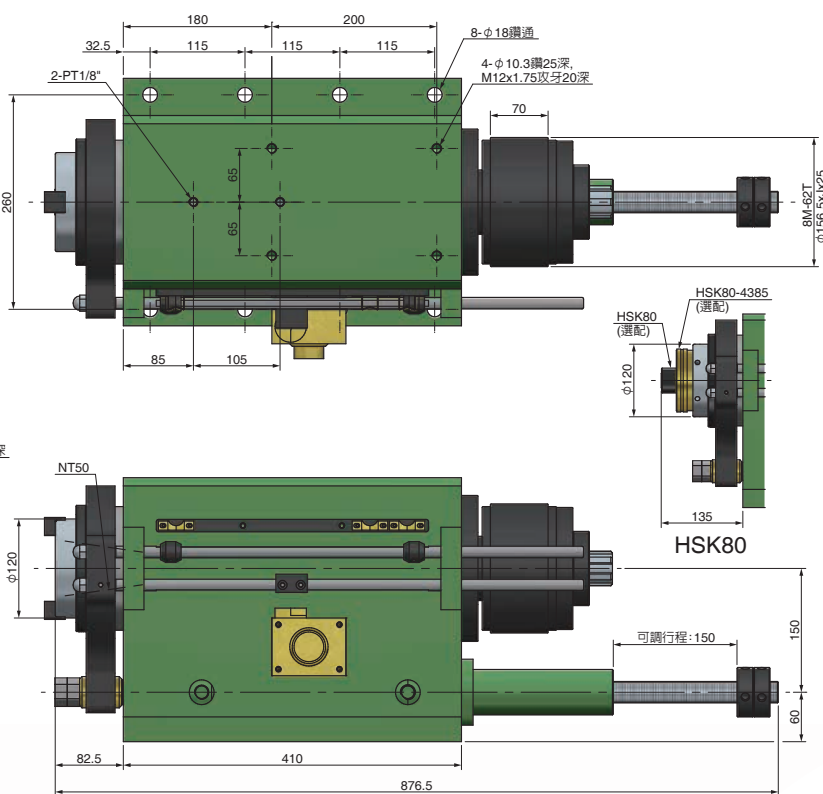
5077# SD15-150 油壓鑽孔/搪銑動力頭 Drilling/Milling Spindle Head-Hydraulic Type

規格	Model	SD15	SD15H
鑽孔能力	Drilling Capacity(S45C)	$\phi 50 \text{ mm}$	
最大行程	Max. Stroke	150 mm	
最高轉速	Max. RPM	1600	4000
推進壓力	Propel Pressure	油壓(H)30~40kg/cm ²	
油缸面積	Cylinder Diameter	21.2cm ² (缸徑 $\phi 60$; 心軸 $\phi 30$)	
馬力	Horsepower	5HP×4P	
主軸皮帶輪	Spindle Pulley	8M-62T×70W / $\phi 156.5 \times J \times 25$	
主軸軸承	Spindle Bearing	6014Zx1 / 6012Zx1 32014x1 / 32012x1	7014x2 7012x2
皮帶輪軸承	Pulley Bearing	6213ZZx2	
前蓋油封	Front Cover Seal	TC150-180-14×1	
主軸油封	Spindle Seal	TC90-110-12×1	

Roundness: $\leq 0.003\text{mm}$

SD15-NT50 SD15-HSK80

重量	Weight	188 kg
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5078# ST0N-50 攻牙主軸頭 Tapping Head Units



馬達盒組合



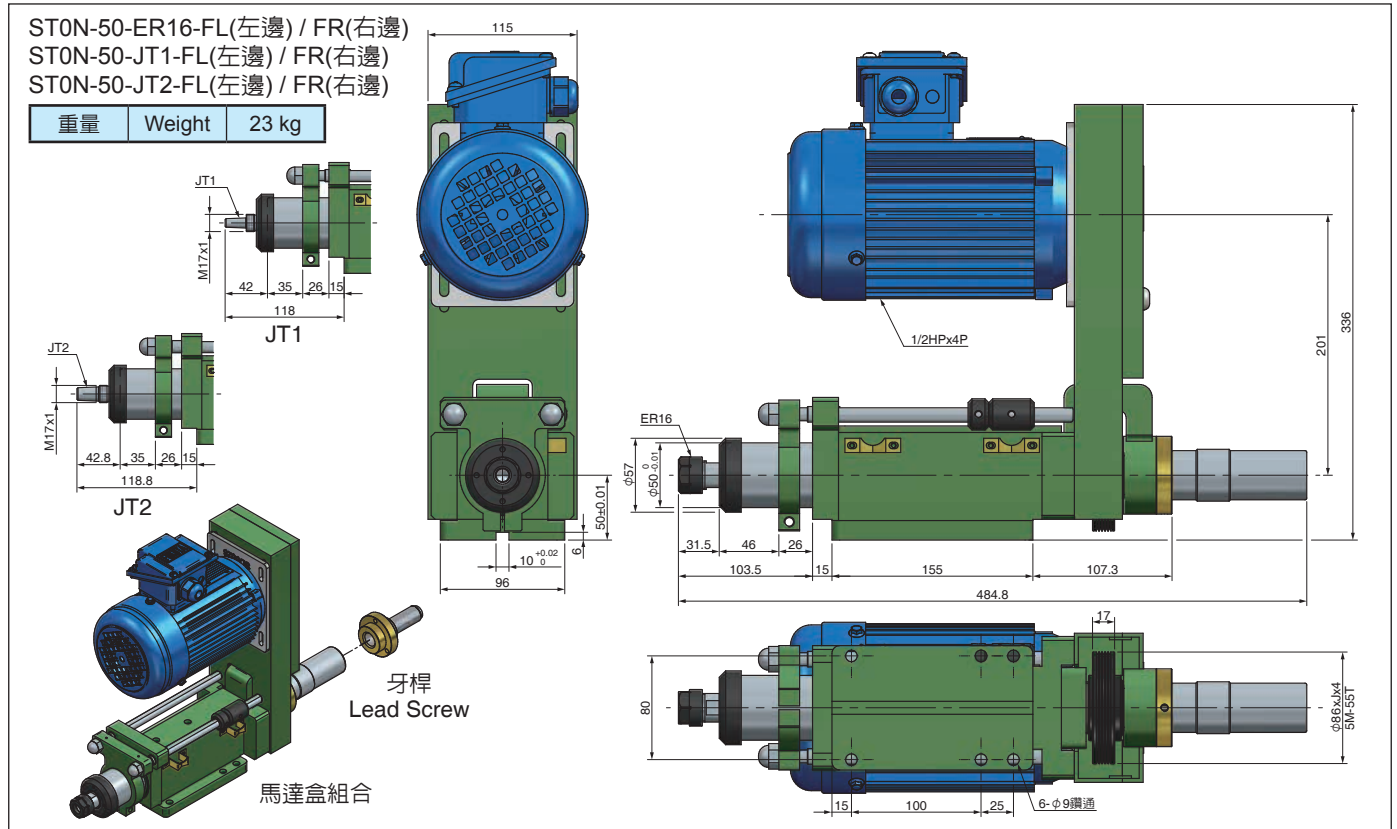
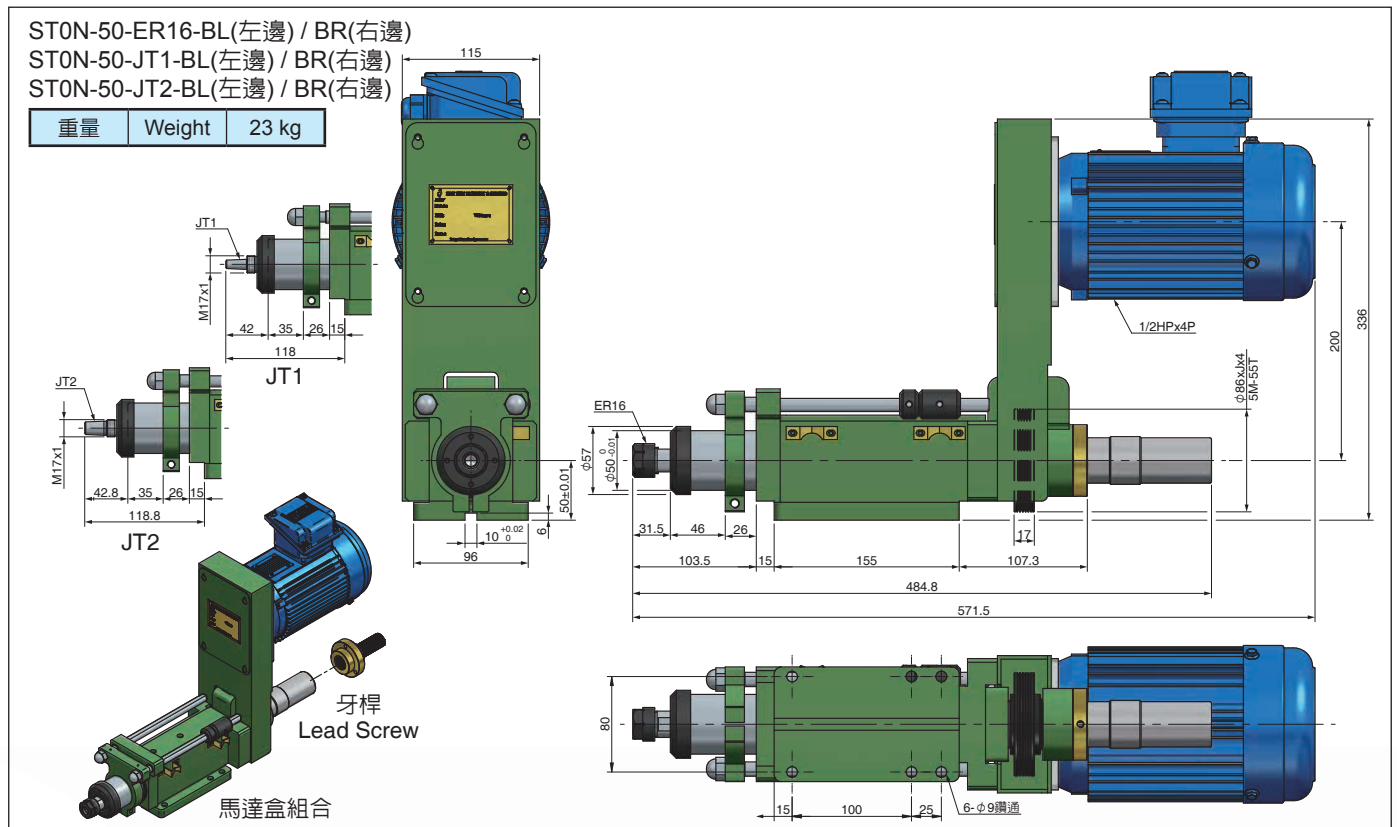
馬達盒組合

規 格	Model	ST0N-50
攻牙能力	Tapping Capacity (S45C)	M6
最大行程	Max. Stroke	50 mm
螺旋導程	Thread Guide Pitch	0.25 ~ 1.25 mm
馬 力	Horsepower, 3 Phase	1/2 HP , 220V/380V
總 重	Net Weight	20 kg
主軸軸承	Spindle Bearing	6004ZZ×3
皮帶輪軸承	Pulley Bearing	6906ZZ×3
主軸油封	Spindle Seal	TC25×42×8 / TC50×62×10
傳動皮帶	Transmission Belt	φ 86×J×4 / 5M-55T×17W

Roundness: $\leq 0.003\text{mm}$

5078# ST0N-50 攻牙主軸頭

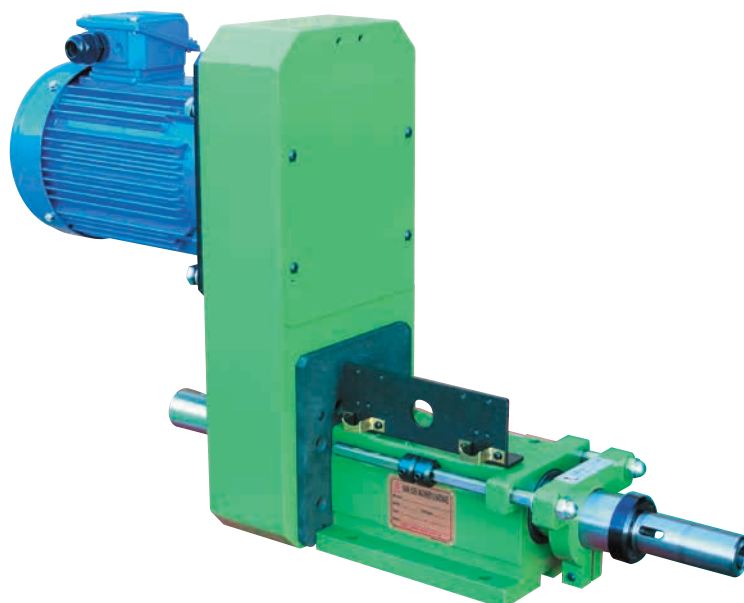
Tapping Head Units



5079# ST1N-65 攻牙主軸頭 Tapping Head Units



馬達板型組合



馬達盒組合

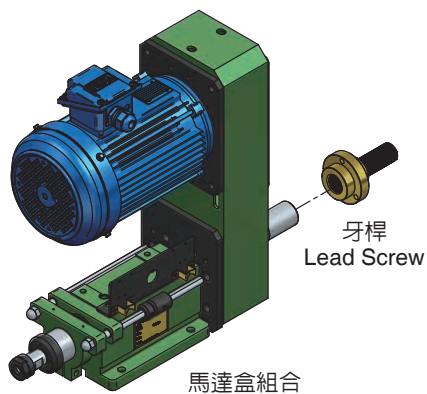
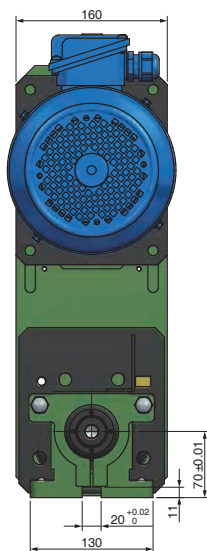
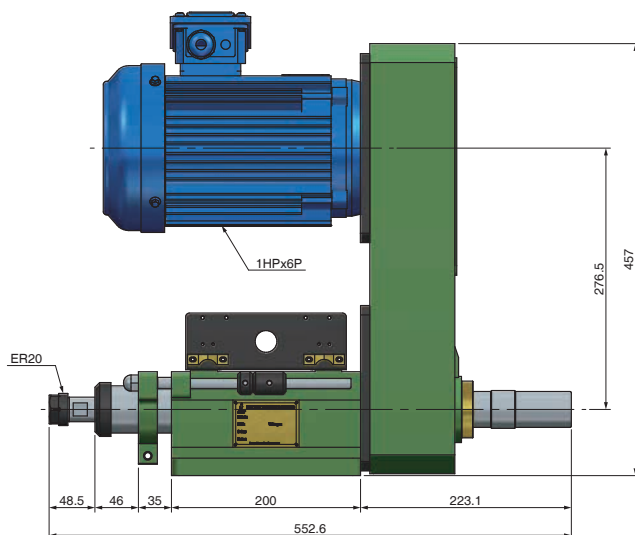
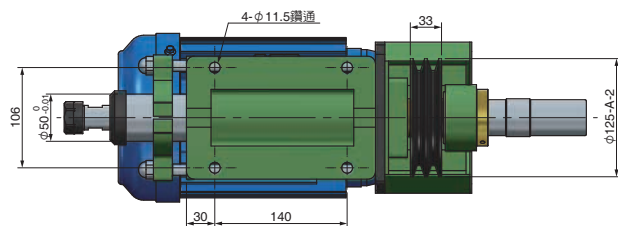
規 格	Model	ST1N-65
攻牙能力	Tapping Capacity (S45C)	M12
最大行程	Max. Stroke	65 mm
螺旋導程	Thread Guide Pitch	0.4 ~ 2.0 mm
馬 力	Horsepower, 3 Phase	1 HP , 220V/380V
總 重	Net Weight	42 kg
主軸軸承	Spindle Bearing	6004ZZ×3
皮帶輪軸承	Pulley Bearing	6006ZZ×3
主軸油封	Spindle Seal	TC25×42×8 / TC50×62×10
傳動皮帶	Transmission Belt	A2× φ 125 / 8M×47T×33W

Roundness: $\leq 0.003\text{mm}$

5079# ST1N-65 攻牙主軸頭
Tapping Head Units

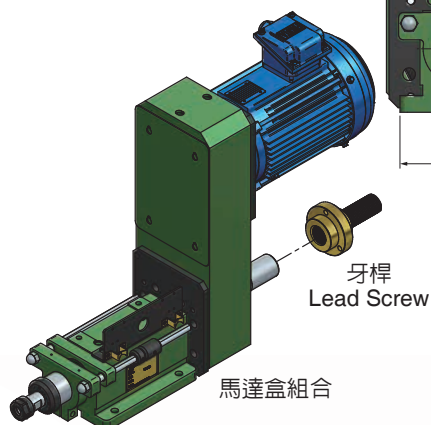
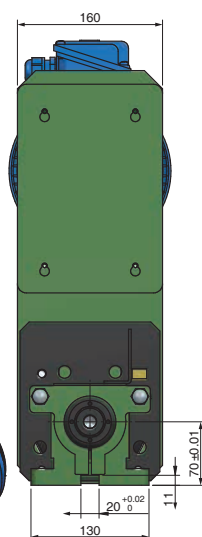
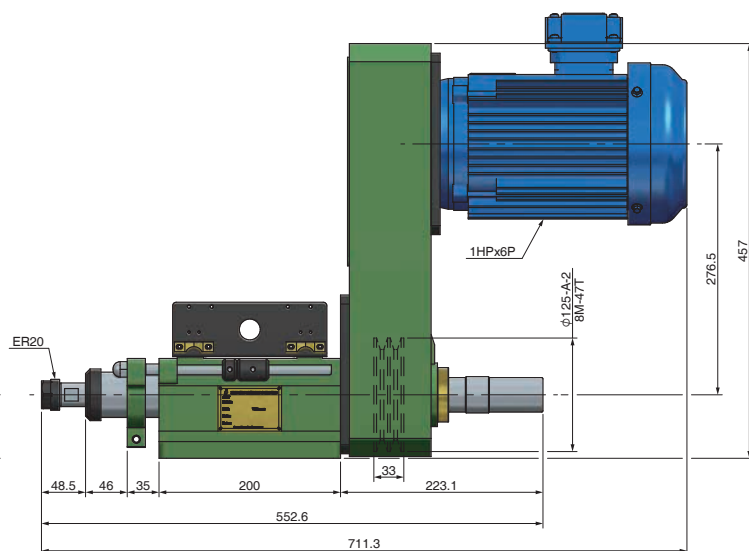
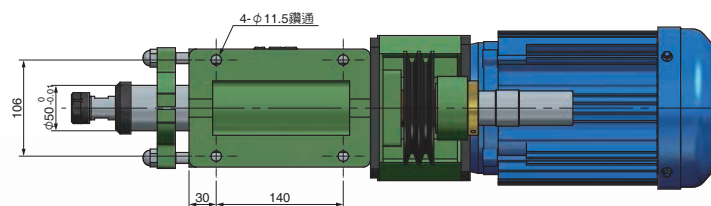
ST1N-65-ER20-R(右向)-MF
ST1N-65-ER20-L(左向)-MF

重量	Weight	39 kg
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ST1N-65-ER20-R(右向)-MB
ST1N-65-ER20-L(左向)-MB

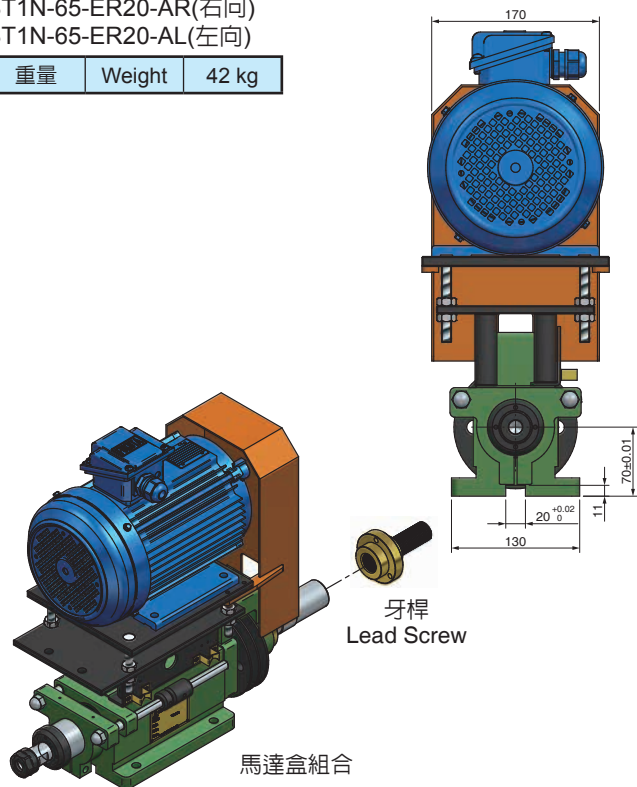
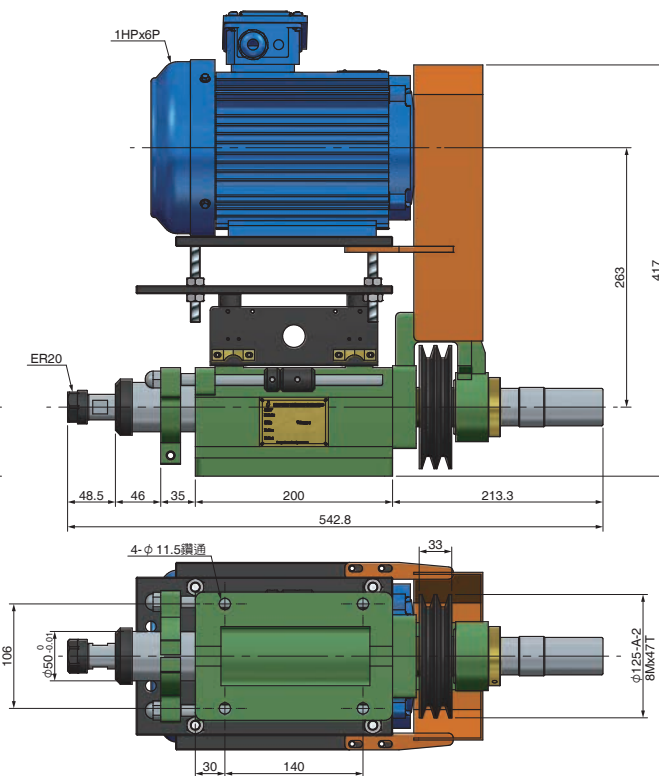
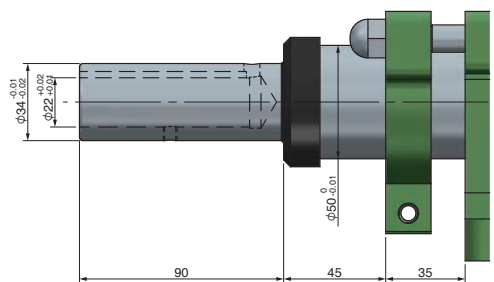
重量	Weight	39 kg
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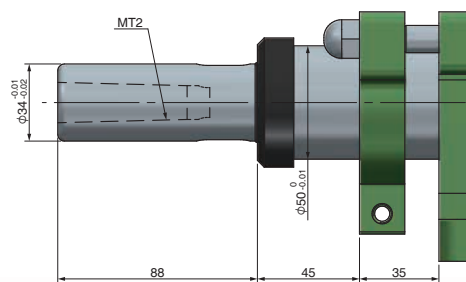
5079# ST1N-65 攻牙主軸頭 Tapping Head Units

ST1N-65-ER20-AR(右向)
ST1N-65-ER20-AL(左向)

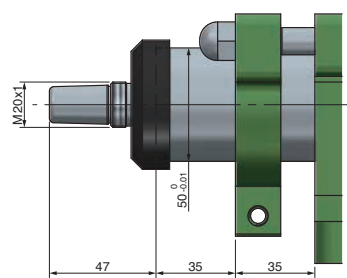
重量	Weight	42 kg
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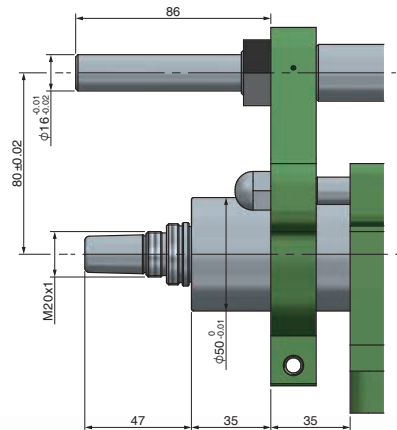
AS22



MT2



JT6



JT6S多軸三點支撐

5080# ST2N-85 攻牙主軸頭 Tapping Head Units



馬達板型組合

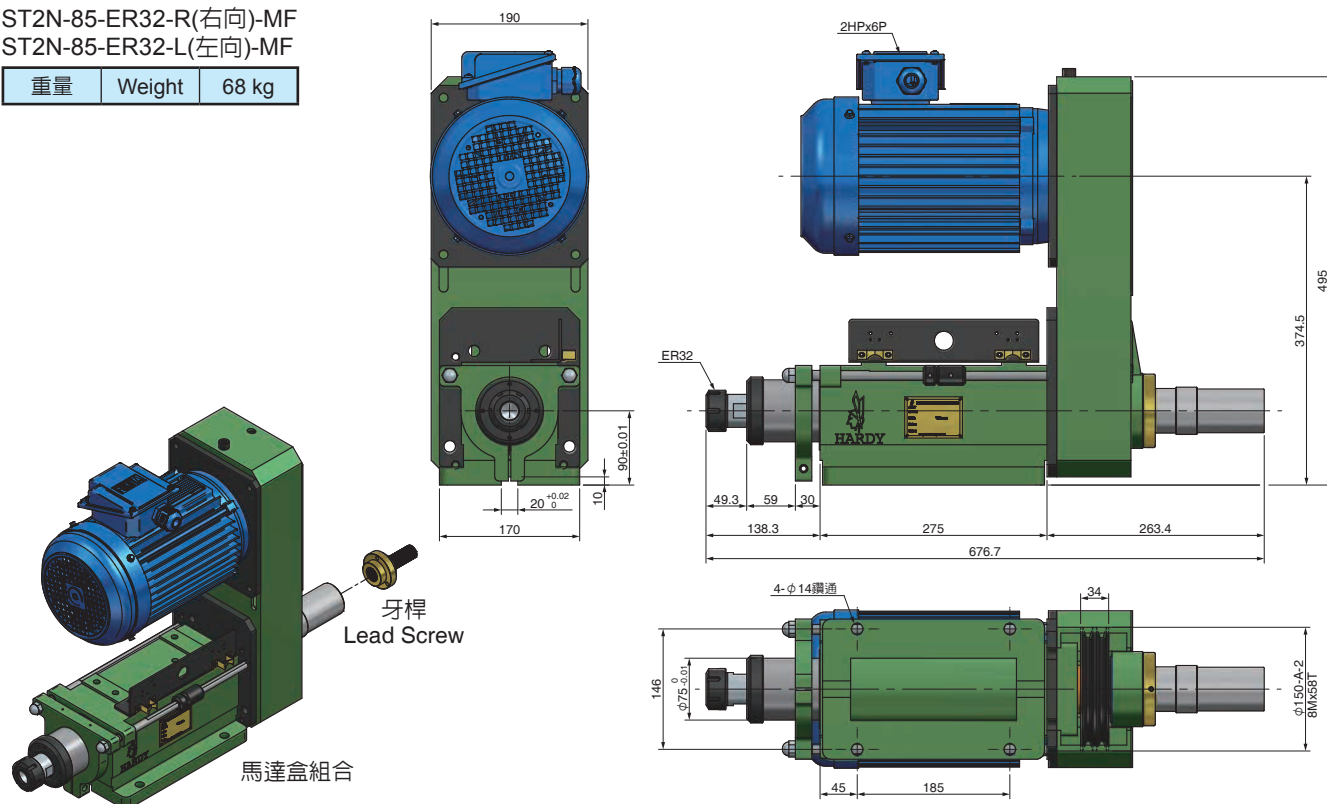
規 格	Model	ST2N-85
攻牙能力	Tapping Capacity (S45C)	M30
最大行程	Max. Stroke	85 mm
螺旋導程	Thread Guide Pitch	0.7 ~ 2.5 mm
馬 力	Horsepower, 3 Phase	2 HP , 220V/380V
總 重	Net Weight	80 kg
主軸軸承	Spindle Bearing	6008ZZ×3
皮帶輪軸承	Pulley Bearing	6010ZZ×3
主軸油封	Spindle Seal	TC45×68×12 / TC75×95×13
傳動皮帶	Transmission Belt	A2× φ 150 / 8M×58T×34W

Roundness: $\leq 0.003\text{mm}$

5080# ST2N-85 攻牙主軸頭 Tapping Head Units

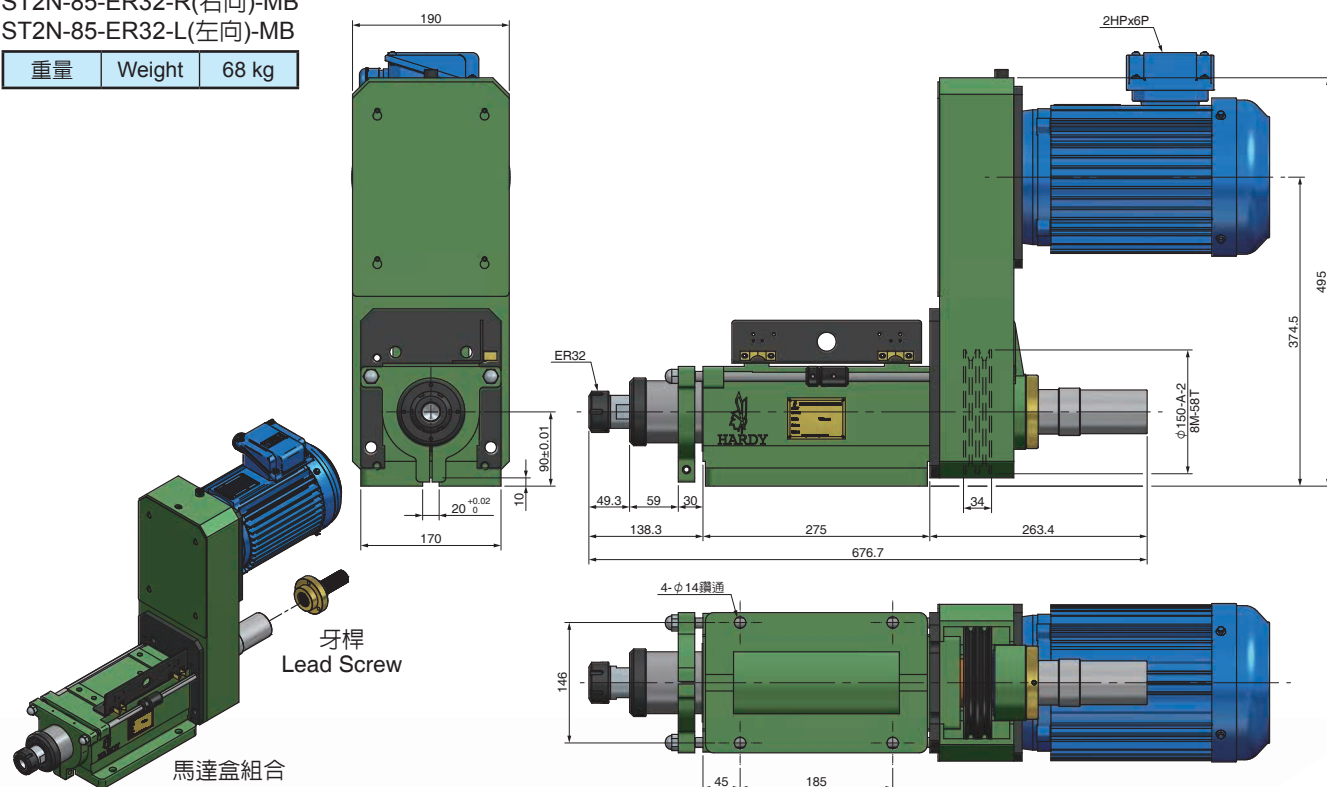
ST2N-85-ER32-R(右向)-MF
ST2N-85-ER32-L(左向)-MF

重量	Weight	68 kg
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ST2N-85-ER32-R(右向)-MB
ST2N-85-ER32-L(左向)-MB

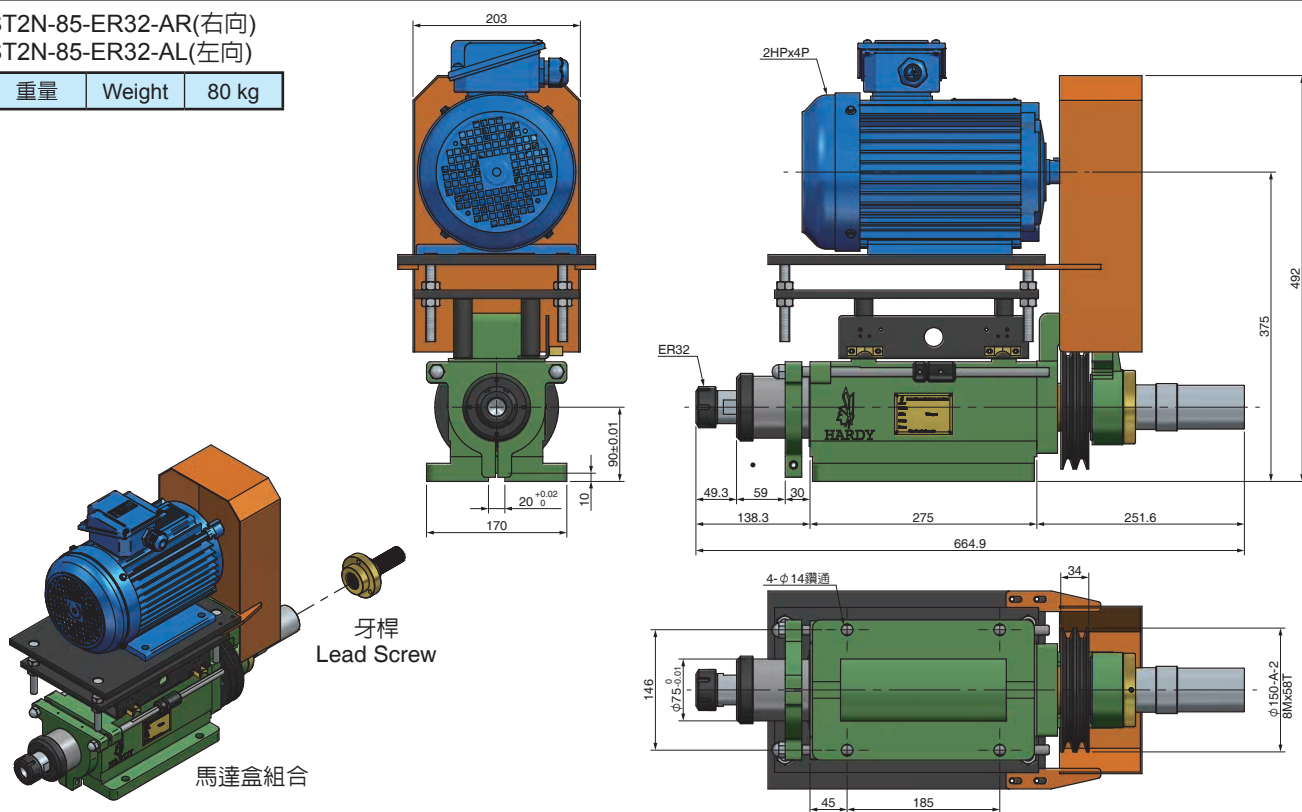
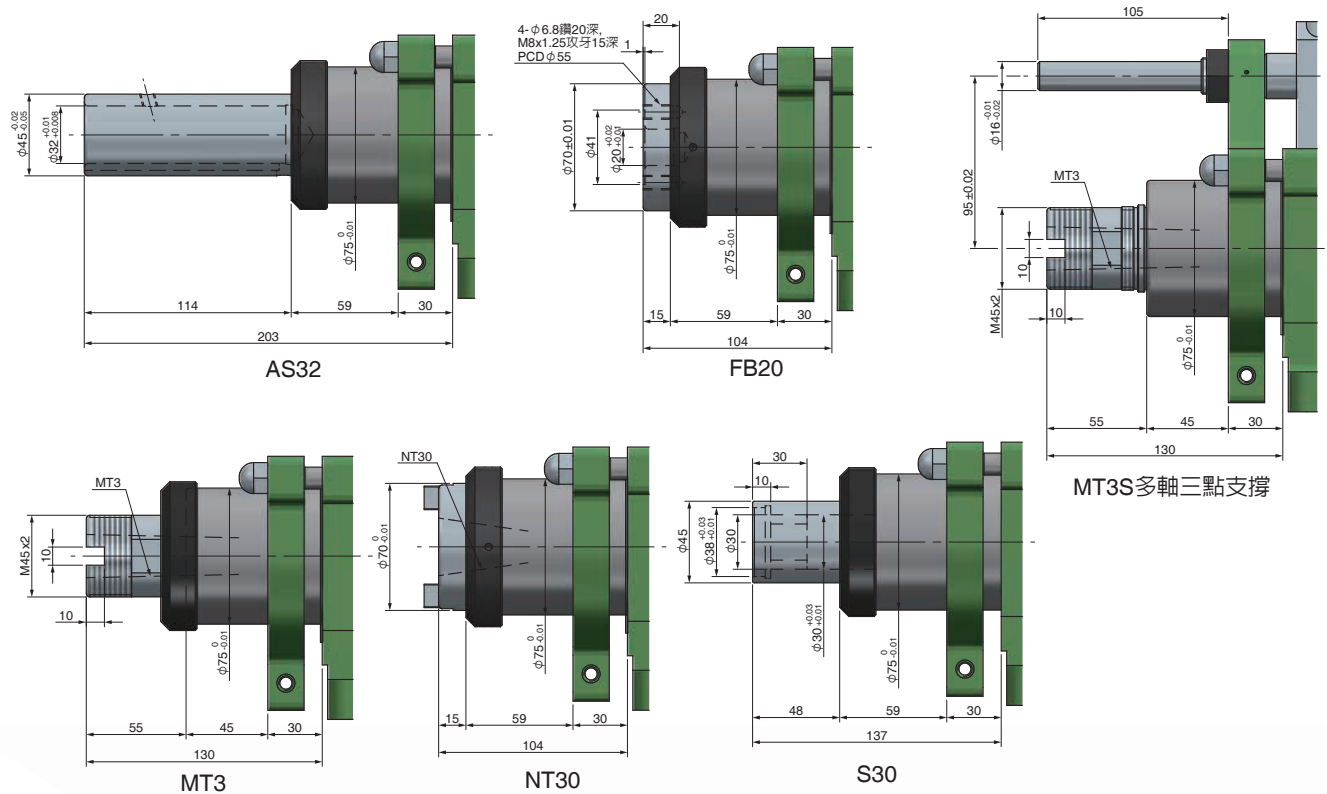
重量	Weight	68 kg
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5080# ST2N-85 攻牙主軸頭 Tapping Head Units

ST2N-85-ER32-AR(右向)
ST2N-85-ER32-AL(左向)

重量	Weight	80 kg
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5081# ST3N-90 攻牙主軸頭 Tapping Head Units



馬達板型組合

規 格	Model	ST3N-90
攻牙能力	Tapping Capacity (S45C)	M45
最大行程	Max. Stroke	90 mm
螺旋導程	Thread Guide Pitch	0.8 ~ 3.0 mm
馬 力	Horsepower, 3 Phase	2 HP , 220V/380V
總 重	Net Weight	105 kg
主軸軸承	Spindle Bearing	6210ZZ×3
皮帶輪軸承	Pulley Bearing	6212ZZ×2
主軸油封	Spindle Seal	TC60×90×10 / TC100×125×12 TC70×92×10
傳動皮帶	Transmission Belt	8M×48T×40W / RS40-2列-30T

Roundness: $\leq 0.003\text{mm}$

5082# D51N 鑽孔/攻牙雙主軸頭 Drilling / Tapping Twin Head Units

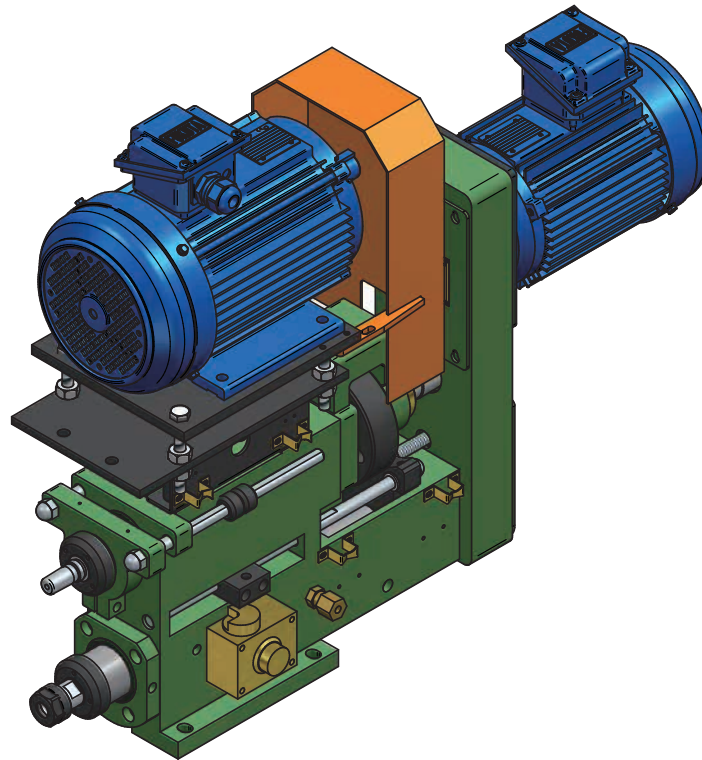
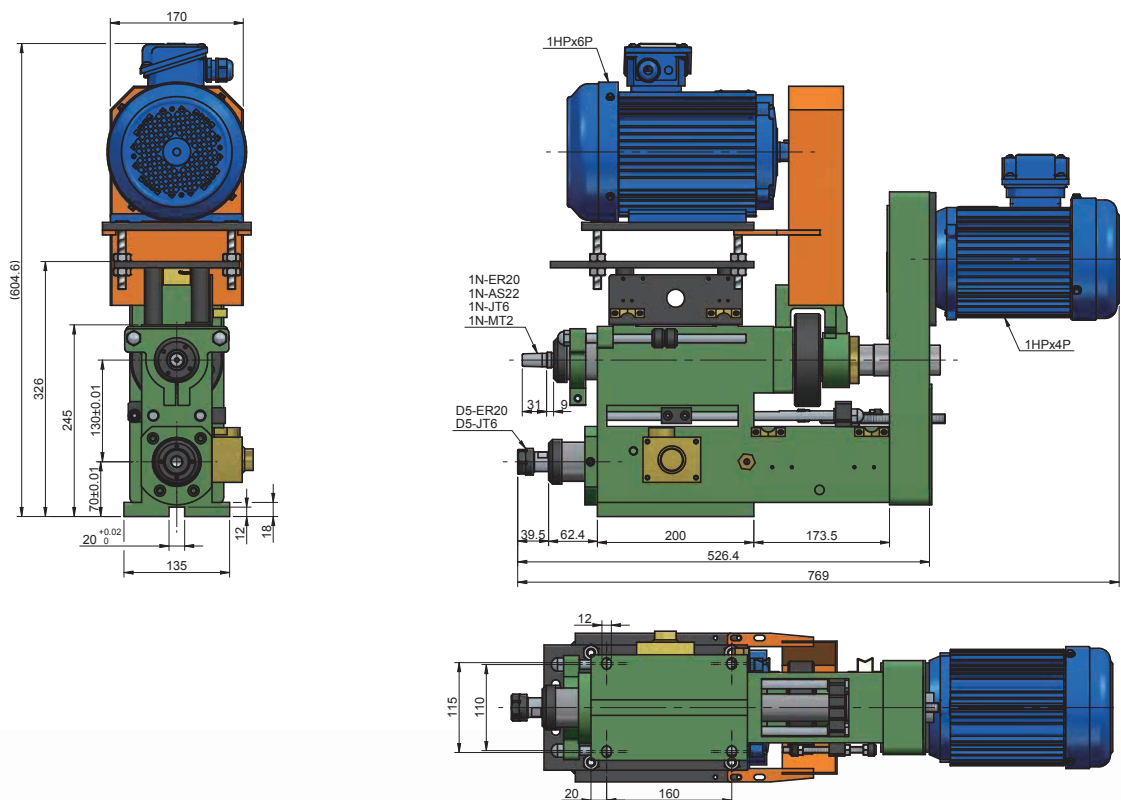
規 格	Model	SD5-85
鑽孔能力	Drilling Capacity (S45C)	φ 13 mm
最大行程	Max. Stroke	85 mm
最高轉速	Max. RPM	5000 RPM
推進壓力	Propel Pressure	空壓 (A) 4~8 kg/cm ² 油壓 (H) 20~25 kg/cm ²
氣缸面積	Cylinder Diameter	前進 (F) 21.5 cm ² 後退 (B) 11.5 cm ²
馬 力	Horsepower, 3 Phase	1 HP , 220V / 380V
傳動皮帶	Transmission Belt	5M - 615
總 重	Net Weight	38 kg
主軸軸承	Spindle Bearing	6004ZZ×4
皮帶輪軸承	Pulley Bearing	6203ZZ×3
前蓋油封	Front Cover Seal	DKB 50×62×10
活塞O型環	Piston O-ring	油壓AS-53×3 / 空壓UHS53
前蓋O型環	Front Cover O-ring	AG-58×2 / AP-50×2 / AG-68×1
後蓋油封	Back Cover Seal	TC35×45×8
後蓋O型環	Back Cover O-ring	AG-58×2 / CPU-35×45×6

Roundness: ≤ 0.003mm

規 格	Model	ST1N-65
攻牙能力	Tapping Capacity (S45C)	M12
最大行程	Max. Stroke	65 mm
螺旋導程	Thread Guide Pitch	0.4 ~ 2.0 mm
馬 力	Horsepower, 3 Phase	1 HP , 220V/380V
總 重	Net Weight	42 kg
主軸軸承	Spindle Bearing	6004ZZ×3
皮帶輪軸承	Pulley Bearing	6006ZZ×3
主軸油封	Spindle Seal	TC25×42×8 / TC50×62×10
傳動皮帶	Transmission Belt	A25×φ 125 / 8M×47T×33W

Roundness: ≤ 0.003mm

5082# D51N 鑽孔/攻牙雙主軸頭 Drilling / Tapping Twin Head Units





HARDY

翰坤五金機械公司

<http://www.hardy-tw.com>

TEL : 886-4-24860602

FAX : 886-4-24860605

☐ S,SR 搪銑主軸頭

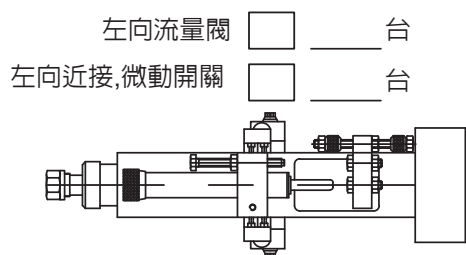
☐ SD 鑽孔主軸頭

☐ ST 攻牙主軸頭

訂購明細表

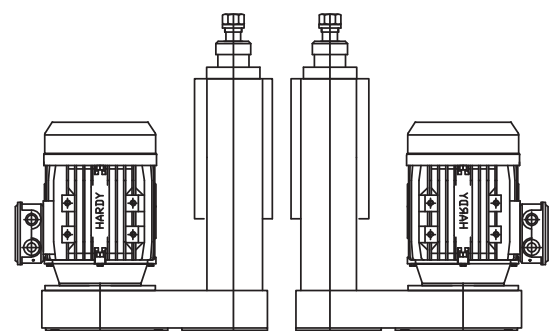
公司名稱		聯絡人	
電話		傳真	
地址			

- 一、規格：_____ 主軸型式：_____ 數量：_____
- 二、推送方式：☐ 空壓 ☐ 油壓 ☐ 伺服馬達／中心拉桿：☐ 公制 ☐ 英制
- 三、加工：☐ 鑽孔 ☐ 攻牙 ☐ 搪孔 ☐ 銑面 ☐ 其他_____
- 四、加工材質：_____ 直徑：_____ ϕ 深度：_____ 轉速：_____
- 絲攻牙距：_____ 刀具材質：☐ 高速鋼 ☐ 硬質鎢鋼
- 五、主軸馬達：☐ 三相感應馬達 ☐ 減速機 ☐ 伺服馬達
- _____ HP (kW) _____ P(Pole) _____ V(電壓) _____ Hz (頻率)
- 六、進給伺服馬達：_____ kW _____ V (需附圖)
- 七、展刀伺服馬達：_____ kW _____ V (需附圖)
- 八、皮帶輪傳動：☐ 時規 ☐ 三角 ☐ 山型 ☐ 其他_____
- 九、附件：☐ 馬達盒 ☐ 馬達板型 ☐ 馬達含煞車 ☐ 多軸定位孔
- ☐ 微動開關 ☐ 進接開關



左向流量閥 ☐ _____ 台

左向近接,微動開關 ☐ _____ 台



右向流量閥 ☐ _____ 台

右向近接,微動開關 ☐ _____ 台

前置馬達 ☐ _____ 台

右側90° ☐ _____ 台

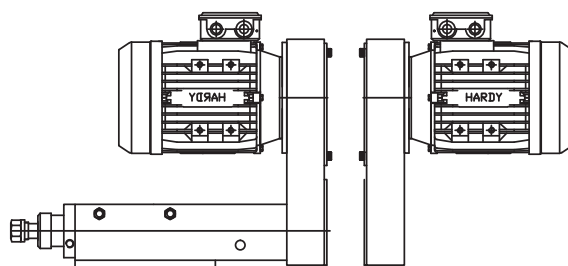
後置馬達 ☐ _____ 台

前置馬達 ☐ _____ 台

左側90° ☐ _____ 台

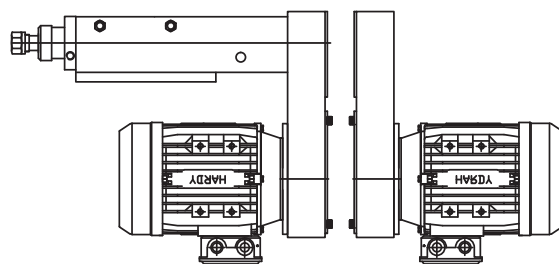
後置馬達 ☐ _____ 台

馬達配置方向



☐ 上方,前置馬達 _____ 台

☐ 上方,後置馬達 _____ 台



☐ 下方,前置馬達 _____ 台

☐ 下方,後置馬達 _____ 台



HARDY

HANN KUEN MACHINERY&HARDWARE
http://www.hardy-tw.com
TEL : 886-4-24860602
FAX : 886-4-24860605

- ☐ S,SR Boring&Milling Head Unit
☐ SD Drilling Head Unit
☐ ST Tapping Head Unit

Order Form

Company		Contact With	
Tel		Fax	
Address			

I . Model: _____ Spindle Taper _____ Quantity _____

II . Propel: ☐ Pneumatic ☐ Hydraulic ☐ Servo Motor / Draw Bar: ☐ Metric ☐ Inch

III .Cutting: ☐ Drilling ☐ Tapping ☐ Boring ☐ Milling ☐ Other _____

IV .Cutting Material: _____ Diameter _____ ϕ Depth _____ RPM _____

Tap Pitch _____ Cutter Material: ☐ High Speed Steel ☐ Carbide Tip

V .Spindle Motor: ☐ 3-Phase AC Induction ☐ Gear Reducer ☐ Servo Motor
_____HP (kW) _____P (Pole) _____V (Voltage) _____Hz (Frequency)

VI .Feeding Servo Motor: _____kW _____V (drawing required)

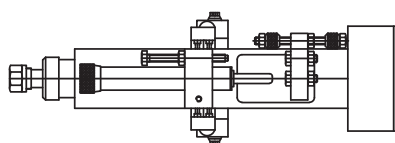
VII .Facing Head Servo Motor: _____kW _____V (drawing required)

VIII .Transmission: ☐ Timing Belt ☐ V Belt ☐ Poly-V Belt ☐ Other _____

IX . Accessories: ☐ Motor Stand ☐ Motor Plates ☐ Motor with brake ☐ Guide Rod
☐ Limit Switch ☐ Proximity Sensor

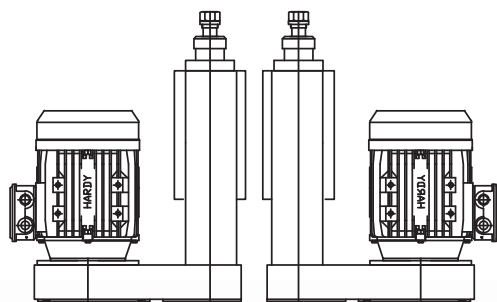
Left Fluid Control ☐ _____ pcs

Left Limit Switch or Proximity Sensor ☐ _____ pcs



Right Fluid Control ☐ _____ pcs

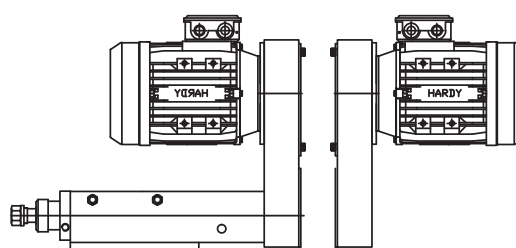
Right Limit Switch or Proximity Sensor ☐ _____ pcs



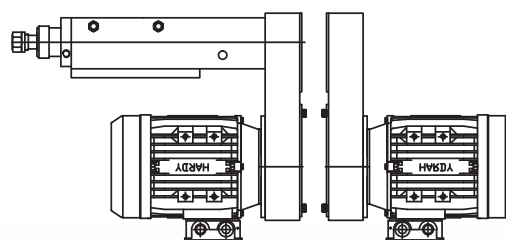
Front ☐ _____ pcs
Right90° Back ☐ _____ pcs

Front ☐ _____ pcs
Left90° Back ☐ _____ pcs

Motor Direction



☐ Upside, Front _____ pcs ☐ Upside, Back _____ pcs



☐ Bottom, Front _____ pcs ☐ Bottom, Back _____ pcs

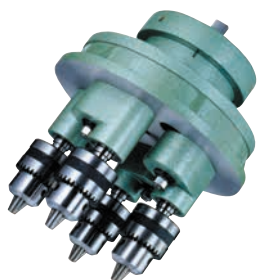
5083# 多軸鑽孔、攻牙頭 Multi-Spindle Head (For Drilling, Tapping)



T-71, T-74, NT-108, NT-121



D-170, D-176, D-183



D-177, D-198, D-240



A-100, A-124, A-124S



U-120, U-165, U-200, U-250, U-300

規 格	Model	T-71	T-74	NT-108	NT-121	
筒 夾	Collet	N-1	C-5	C-6	C-9	C-12
最大軸心	Max. Distance	71	74	108	121	121
最 小 距	Min. Distance	10	12	18	27.5 (訂製 24)	27.5 (訂製 26)
轉 速 比	Speed Rate	1 : 1	1 : 1	1 : 1	1 : 1	1 : 1
最大鑽孔	Max. Drilling	φ5	φ5	φ6	φ9	φ12
最大攻牙	Max. Tapping	M4	M4	M6	M8	M12
軸 數	Spindle	2	2	2	2	2

規 格	Model	D-170	D-176	D-183
筒 夾	Collet	C-9	C-12	C-12
最大軸心	Max. Distance	170	176	183
最 小 距	Min. Distance	38	46	56
轉 速 比	Speed Rate	1 : 1.69	1 : 1.35	1 : 1
最大鑽孔	Max. Drilling	φ9	φ12	φ12
最大攻牙	Max. Tapping	M8	M12	M12
軸 數	Spindle	2	2	2

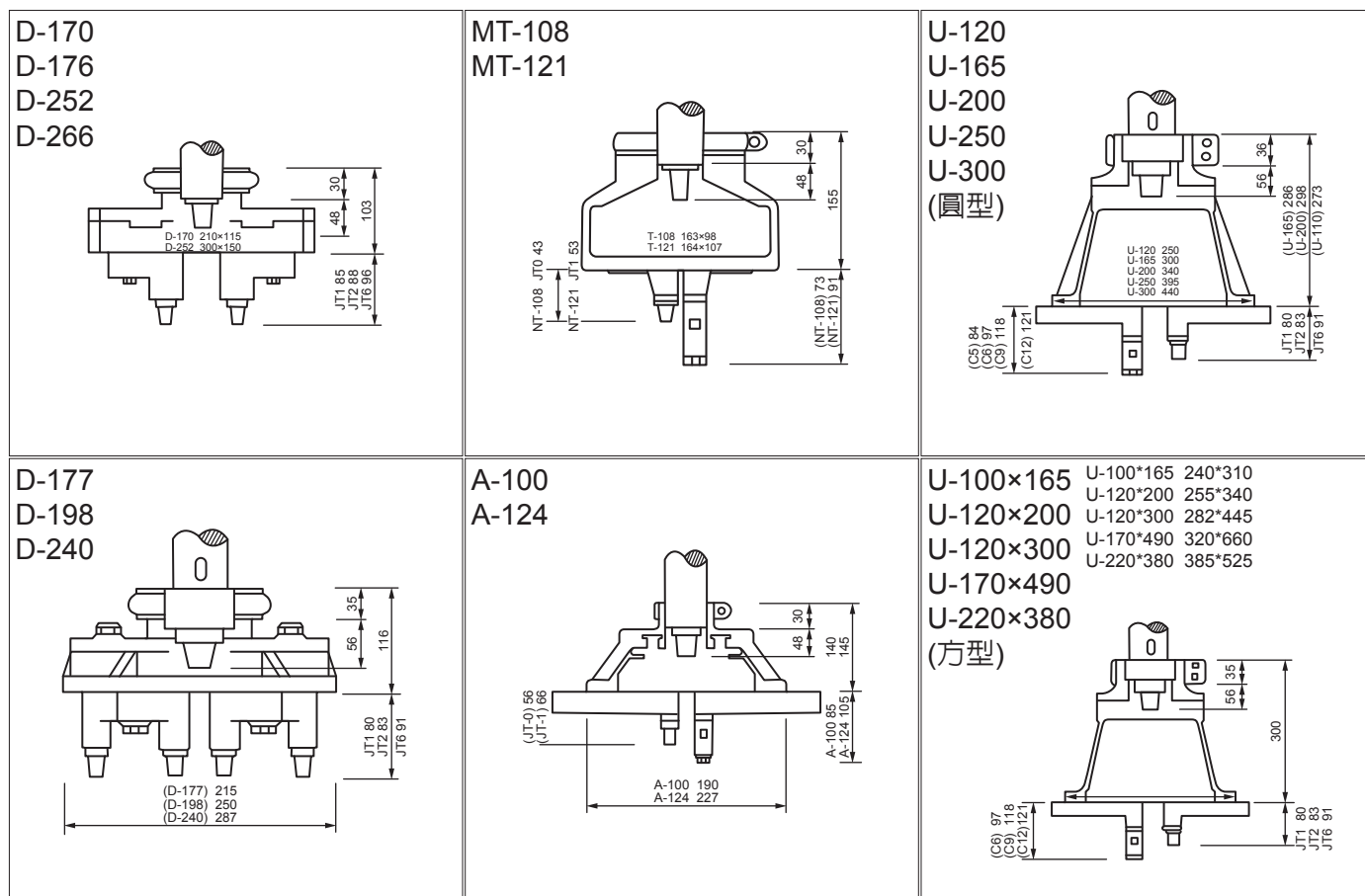
規 格	Model	D-177 (D-192)	D-198	D-240
筒 夾	Collet	C-9	C-12	C-12
最大軸心	Max. Distance	177	198	240
最 小 距	Min. Distance	37	45	55
轉 速 比	Speed Rate	1 : 3	1 : 2.9	1 : 3.2
最大鑽孔	Max. Drilling	φ9	φ12	φ12
最大攻牙	Max. Tapping	M8	M12	M12
軸 數	Spindle	2~4	2~4	2~4

規 格	Model	A-100 (A-116)	A-124	A-124S
筒 夾	Collet	C-6	C-9	C-12
最大軸心	Max. Distance	100	124	124
最 小 距	Min. Distance	18	26	28
轉 速 比	Speed Rate	1 : 1	1 : 1	1 : 1
最大鑽孔	Max. Drilling	φ6	φ9	φ12
最大攻牙	Max. Tapping	M6	M8	M12
軸 數	Spindle	2~4	2~4	2~4

規 格	Model	U-120	U-165	U-200	U-250	U-300
筒 夾	Collet	C-5,	C6,	C9,	C12	
最大軸心	Max. Distance	120	165	200	250	300
最 小 距	Min. Distance	C-5(13), C-6(18), C-9(27.5), C-12(30)				
轉 速 比	Speed Rate	1 : 1	1 : 1	1 : 1	1 : 1	1 : 1
最大鑽孔	Max. Drilling	C-5(φ5), C-6(φ6), C-9(φ9), C-12(φ12)				
最大攻牙	Max. Tapping	C-5(M4), C-6(M6), C-9(M9), C-12(M12)				
軸 數	Spindle	3~6	4~10	4~12	4~12	4~12

5083# 外型尺寸※可接受特殊規格訂製

Dimension: (We accept customized order)

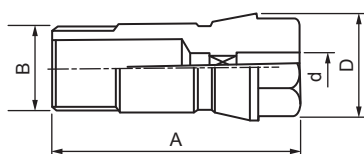
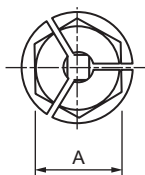
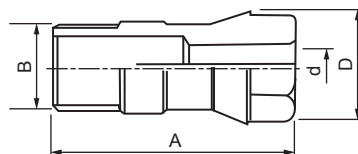


可調多軸部分可依特殊規格訂製

CT: 攻牙用 (For Tapping)

C: 鑽孔用 (For Drilling)

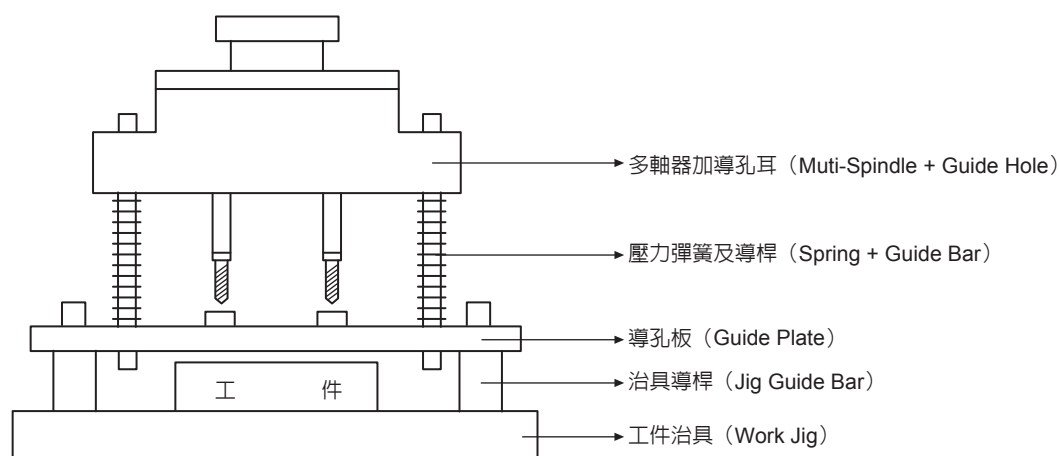
CS: 鑽孔用 (內付牙可調整深度)



型號	φd 柄徑mm	φD mm	φL mm	B	A mm	最大夾持 能力mm
CT-4	φ2~φ4	φ8.2	24	1/4-28UNF	6	M3.5×0.6
CT-5	φ2~φ5	φ10.8	31.5	5/16-24UNF	8	M4×0.7
CT-6	φ2~φ6	φ13.1	36	3/8-24UNF	10	M6×1.0
CT-9	φ2~φ7	φ17	46	1/2-20UNF	14	M8×1.25
CT-12	φ3~φ9	φ21	50	5/8-18UNF	17	M12×1.75
CT-14	φ3~φ12	φ24.5	54	3/4-16UNF	21	M14×2.0
CT-16	φ3~φ14	φ31	70	M24-2.0	26	M18×2.5
NT-1	φ2~φ5	φ8.2	30.1	1/4-28UNF	7	M4×0.7

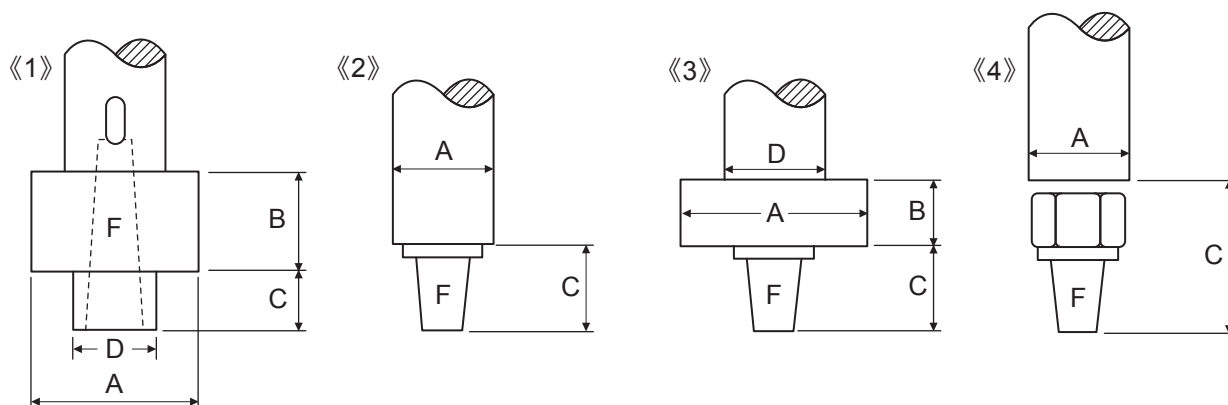
型號	φd 柄徑mm	φD mm	φL mm	B	A mm	最大夾持 能力mm
C-4	φ2~φ4	φ8.2	24	1/4-28UNF	6	φ4.0
C-5	φ2~φ5	φ10.8	31.5	5/16-24UNF	8	φ5
C-6	φ2~φ6	φ13.1	36	3/8-24UNF	10	φ6
C-9	φ2~φ9	φ17	46	1/2-20UNF	14	φ9
C-12	φ3~φ12	φ21	50	5/8-18UNF	17	φ12
C-14	φ5~φ14	φ24.5	54	3/4-16UNF	21	φ14
C-16	φ5~φ16	φ31	70	M24-2.0	26	φ16
NT-1	φ2~φ5	φ8.2	30.1	1/4-28UNF	7	φ5

5083# 多軸器加工結構圖 (多軸器+導孔板與工件治具可分解模式) (Multi-Spindle + Guide plate + Work Jig)



配合機種主軸端尺寸 ◎常用規格如下列圖型，如特殊規格請另傳真尺寸。

- 鑽床、自動攻牙機、雙用鑽孔攻牙機、綜合中心機、空油壓、專用機之鑽孔主軸頭、攻牙主軸頭。
THE MULTI-SPINDLE HEAD CAN EQUIP ON FOLLOWING MACHINE.
Drilling Machine, Auto tapping Machine, Double head Drilling & Tapping Machine, machine Center.
Special purpose Drilling Head or tapping Head.



1.機台頭部尺寸：

廠牌 Brand	機型 Model	A ±0.01	B	C	D ±0.01	F	

2.加工條件注意事項：

加工方式 Cutting Type	加工材質 Material	軸數 No. of Spindle	導孔板 Bush	定位孔 Guide Rod	

- A部尺寸請用分厘卡測試。
Provide mounting dimensions by using micrometer.

- 訂購時機種的選擇注意事項：
 - 加工尺寸之中心距離、孔徑、材料。
 - 加工內容：鑽孔、攻牙、絞孔。
 - 配合鑽床之型式及廠牌番號。

- Provide following details:
 - Process Center Distace Material.
 - Process drilling, tapping or reaming.
 - Match with drilling machine model and brand.

5084# 立式伺服滾珠滑台
Vertical Type Servo Slide

VRB150

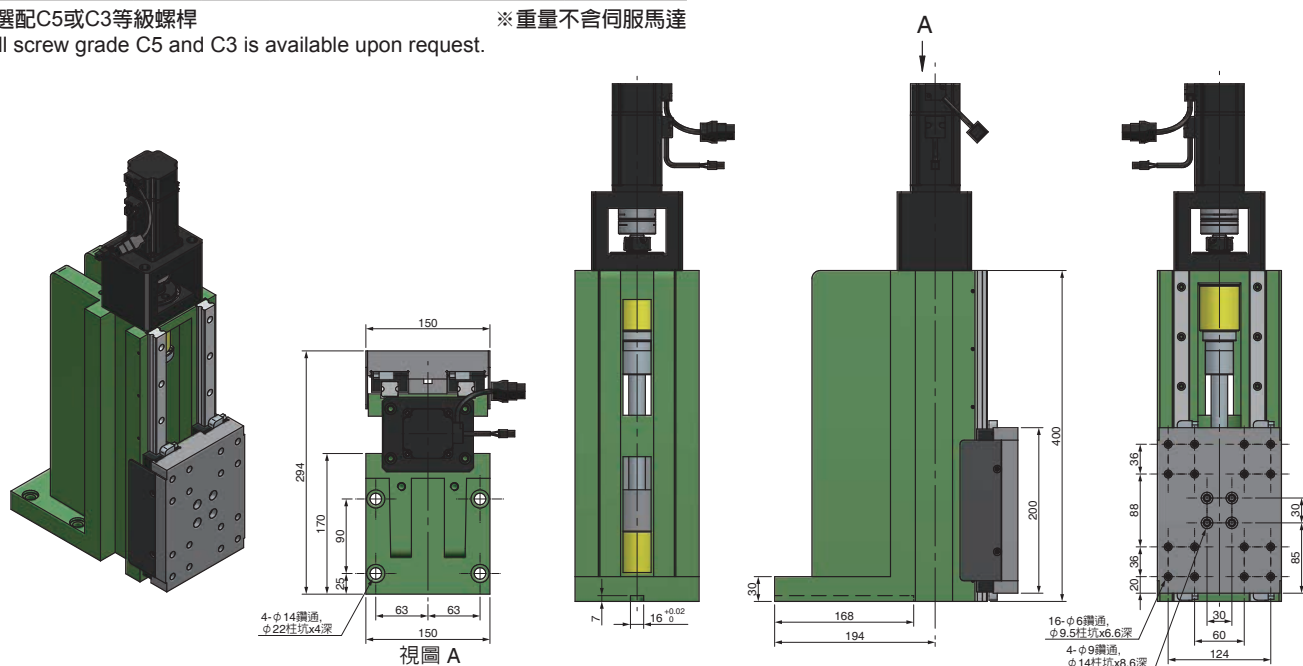
單位：mm

規格 Model	寬 W	高 H	滾珠螺桿 Ball screw	行程 Stroke	重量 Kg
VRB150-200/400	150	400	φ16×5×C7	180	

※可選配C5或C3等級螺桿

※重量不含伺服馬達

※Ball screw grade C5 and C3 is available upon request.



VSS150

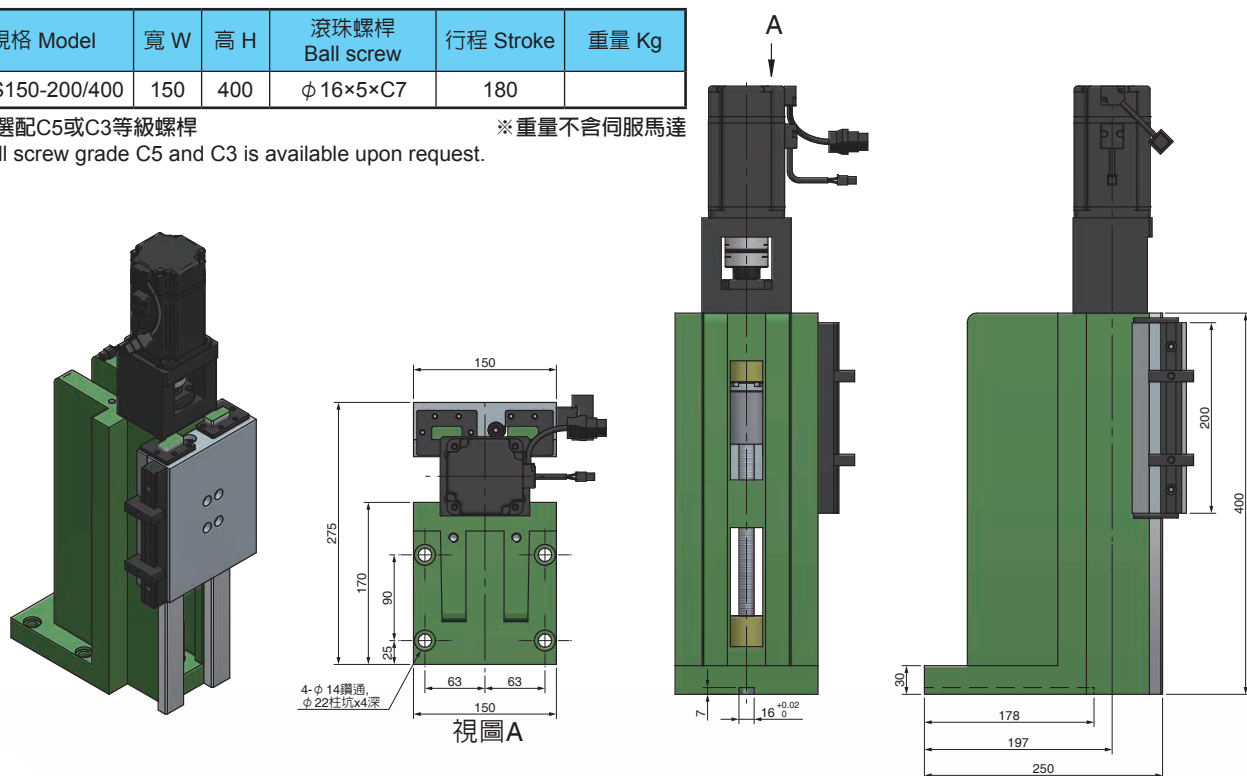
單位：mm

規格 Model	寬 W	高 H	滾珠螺桿 Ball screw	行程 Stroke	重量 Kg
VSS150-200/400	150	400	φ 16×5×C7	180	

※可選配C5或C3等級螺桿

※重量不含伺服馬達

※Ball screw grade C5 and C3 is available upon request.



5085# 立式伺服滾珠滑台 Vertical Type Servo Slide

VSS220/VSS300

單位：mm

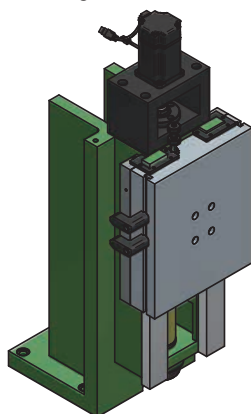
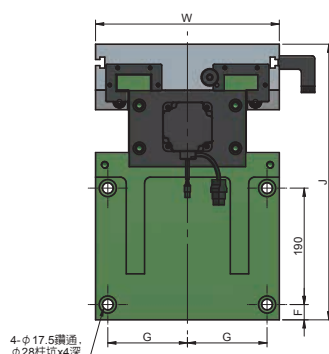
規格 Model	A	B	C	D	E	F	G	J
VSS220-300/420	360	297	278	300	420	30	95	390
VSS220-300/670	360	297	278	300	520	30	95	390
VSS300-360/540	400	315	273	360	500	25	130	450
VSS300-360/720	400	315	273	360	600	25	130	450

規格 Model	寬 W	高 H	滾珠螺桿 Ball screw	行程 Stroke	重量 Kg
VSS220-300/420	220	420	φ25×5×C7	100	120
VSS220-300/670	220	670	φ25×5×C7	200	152
VSS300-360/540	300	540	φ32×5×C7	120	197
VSS300-360/720	300	720	φ32×5×C7	220	243

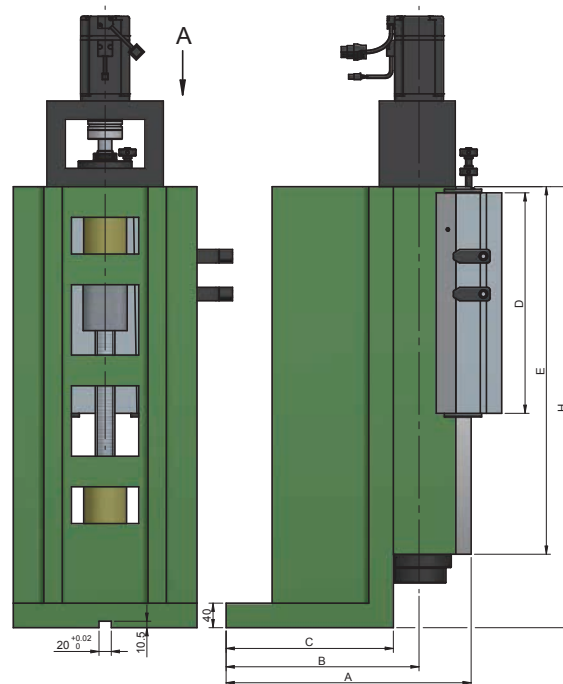
※可選配C5或C3等級螺桿

※重量不含伺服馬達

※Ball screw grade C5 and C3 is available upon request.



視圖A



VSS360-360-920

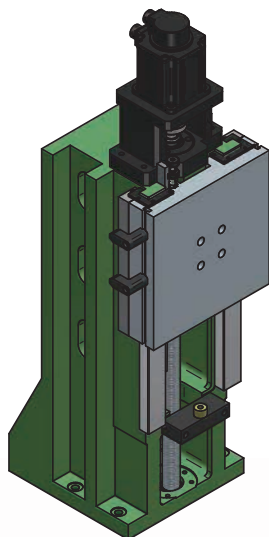
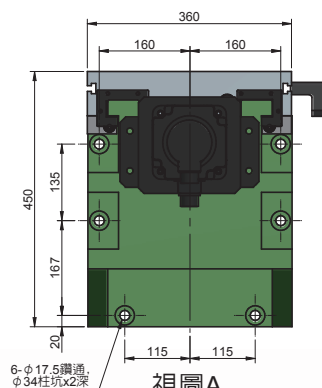
單位：mm

規格 Model	寬 W	高 H	滾珠螺桿 Ball screw	行程 Stroke	重量 Kg
VSS360-360/920	360	920	φ40×5×C7	260	292

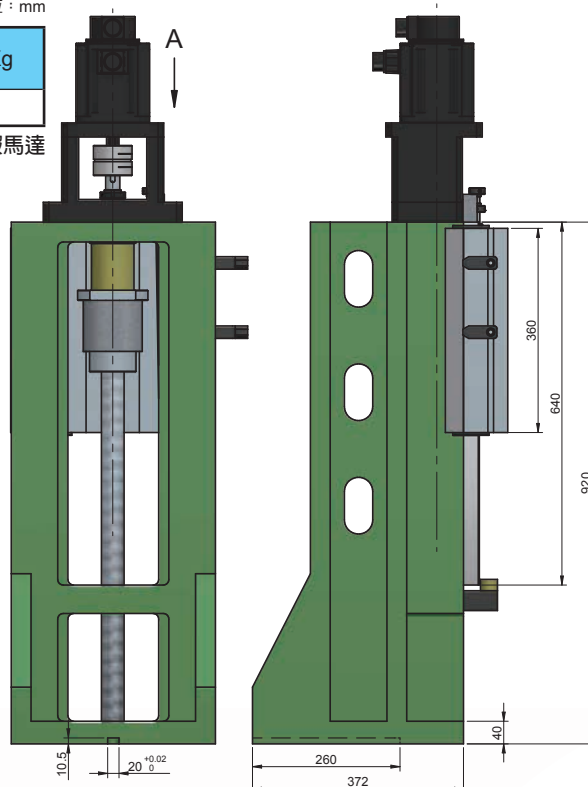
※可選配C5或C3等級螺桿

※重量不含伺服馬達

※Ball screw grade C5 and C3 is available upon request.



視圖A



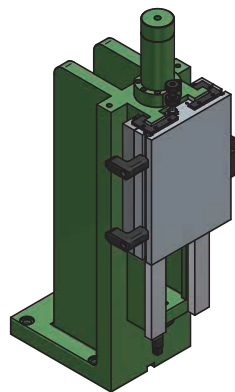
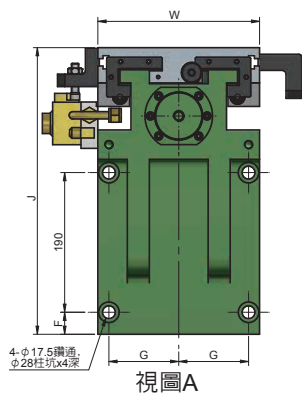
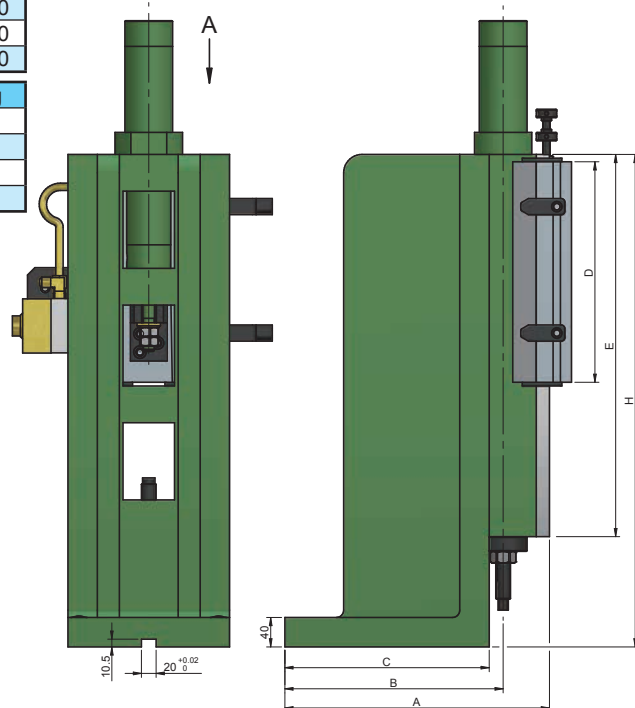
5086# 工字型立式油壓滑座 Powerful Type Vertical Hydraulic Slide

VAH220/VAH300

單位：mm

規格 Model	A	B	C	D	E	F	G	J
VAH220-300/420	360	297	278	300	420	30	95	390
VAH220-300/670	360	297	278	300	520	30	95	390
VAH300-360/540	400	315	273	360	500	25	130	450
VAH300-360/720	400	315	273	360	600	25	130	450

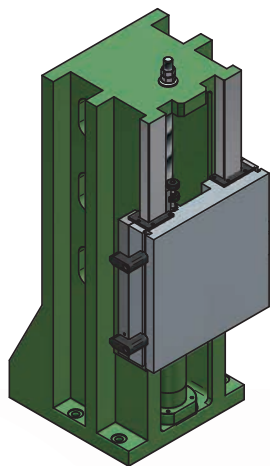
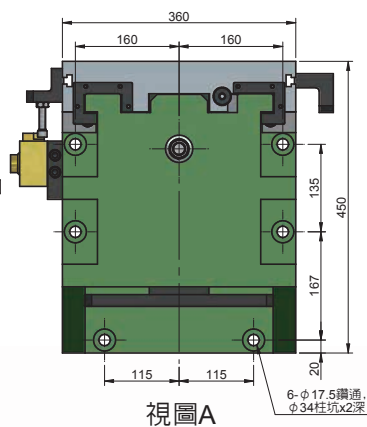
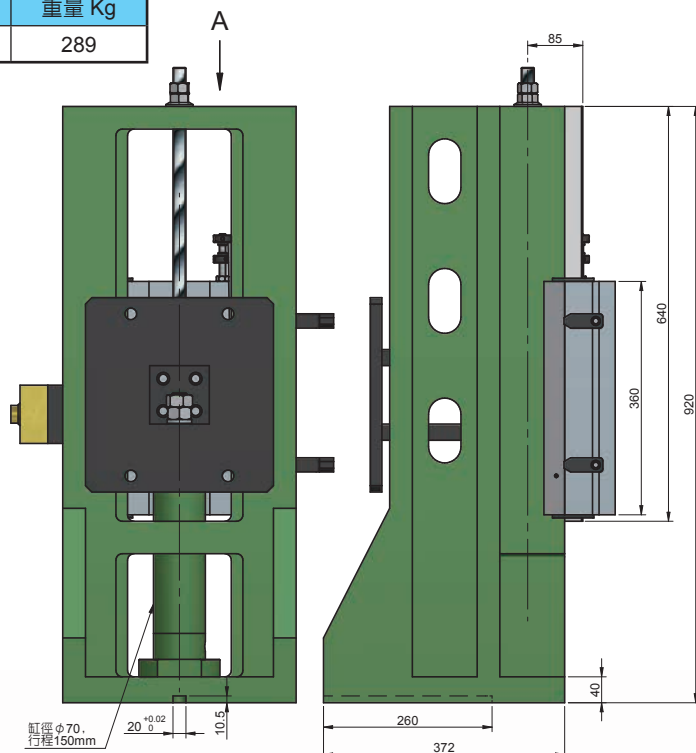
規格 Model	寬 W	高 H	油壓缸內徑	行程 Stroke	重量 Kg
VAH220-300/420	220	420	50(雙心)	100	115
VAH220-300/670	220	670	50	200	147
VAH300-360/540	300	540	60(雙心)	120	194
VAH300-360/720	300	720	60	220	240



VAH360-360-920

單位：mm

規格 Model	寬 W	高 H	油壓缸內徑	行程 Stroke	重量 Kg
VAH360-360/920	360	920	70	150	289



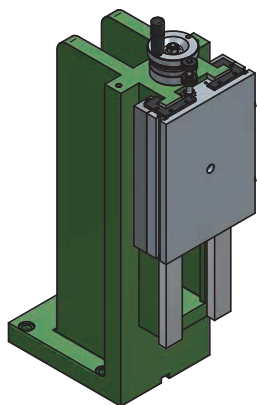
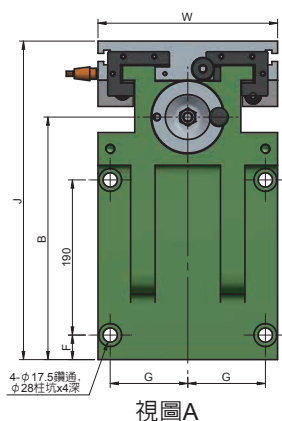
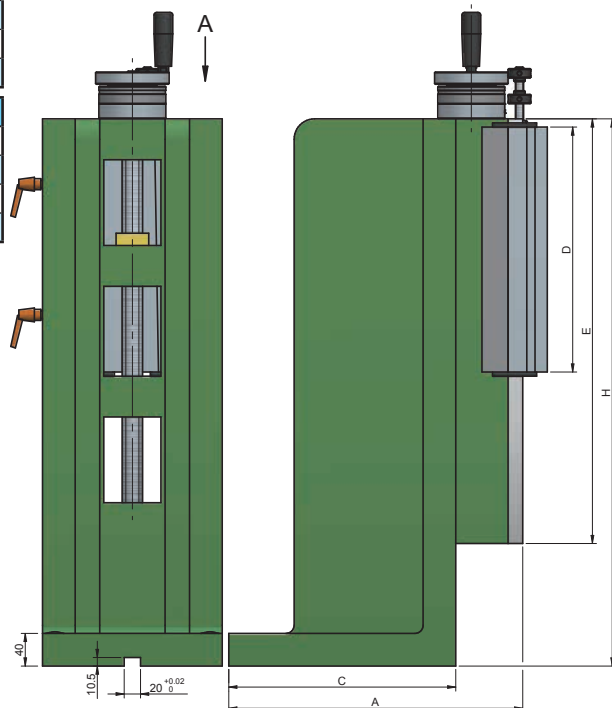
5086# 工字型立式角牙滑座 Powerful Type Vertical Lead Screw Slide

VAS220/VAS300

單位：mm

規格 Model	A	B	C	D	E	F	G	J
VAS220-300/420	360	297	278	300	420	30	95	390
VAS220-300/670	360	297	278	300	520	30	95	390
VAS300-360/540	400	330	273	360	500	25	130	450
VAS300-360/720	400	330	273	360	600	25	130	450

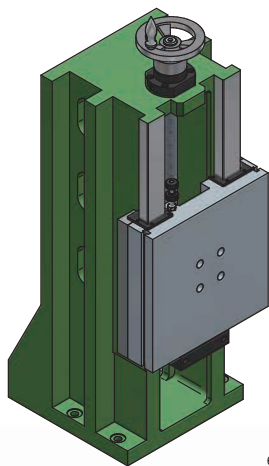
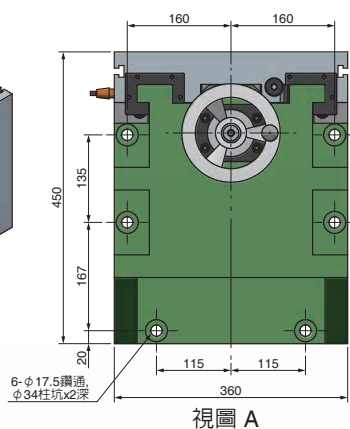
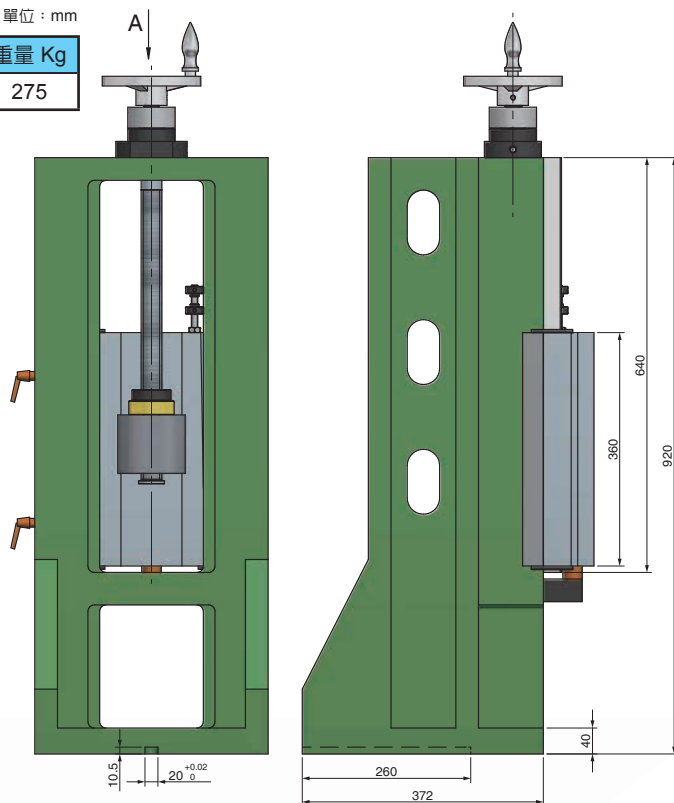
規格 Model	寬 W	高度 H	角牙心軸	行程 Travel	重量 Kg
VAS220-300/420	220	420	TM25×4	100	107
VAS220-300/670	220	670	TM25×4	200	139
VAS300-360/540	300	540	TM25×4	120	185
VAS300-360/720	300	720	TM25×4	220	231



VAS360-360-920

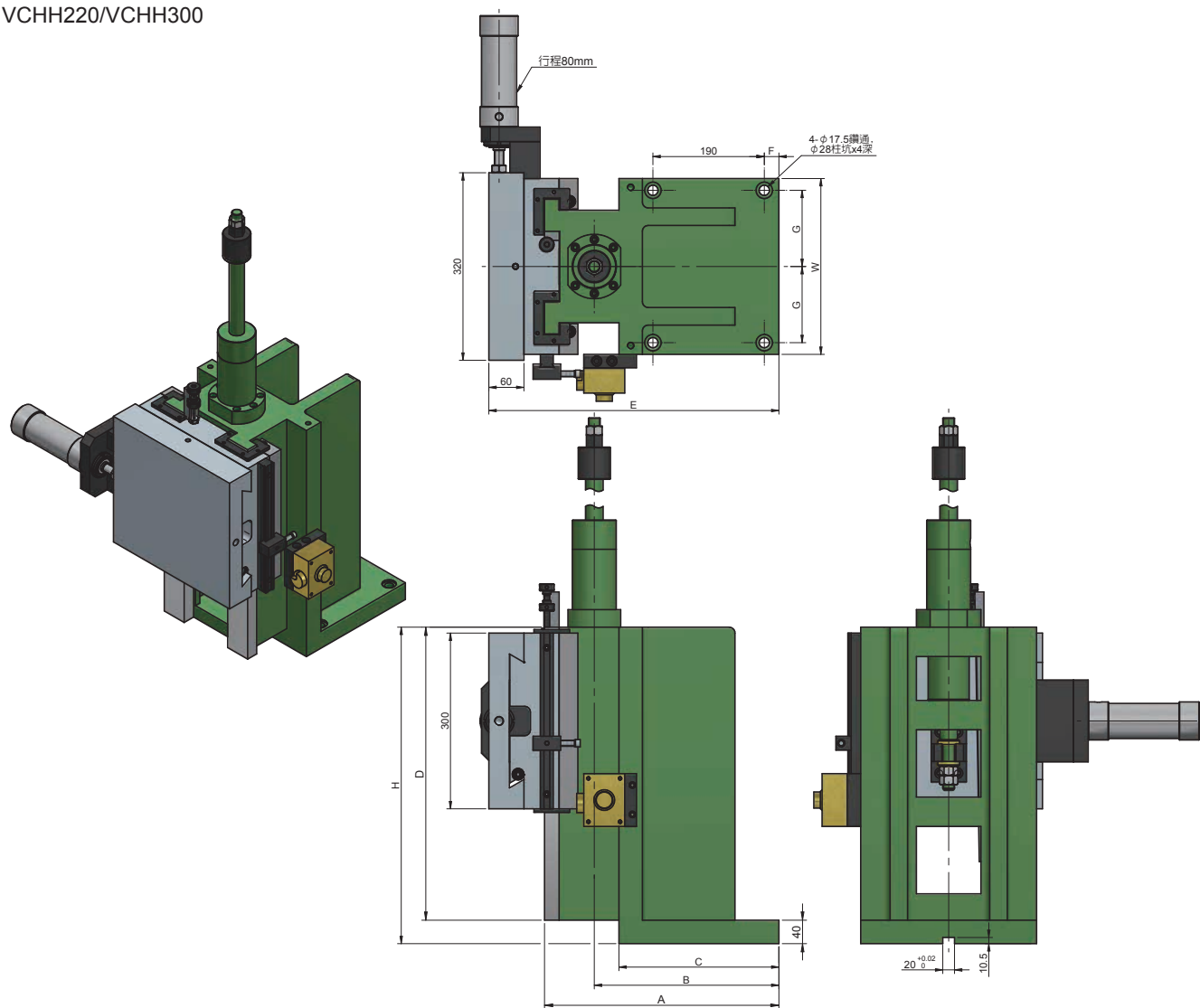
單位：mm

規格 Model	寬 W	高度 H	角牙心軸	行程 Travel	重量 Kg
VAS360-360/920	360	920	TM32x5	260	275



5087# 十字型立式油壓滑座 Vertical Cross Table With Hydraulic

VCHH220/VCHH300



單位：mm

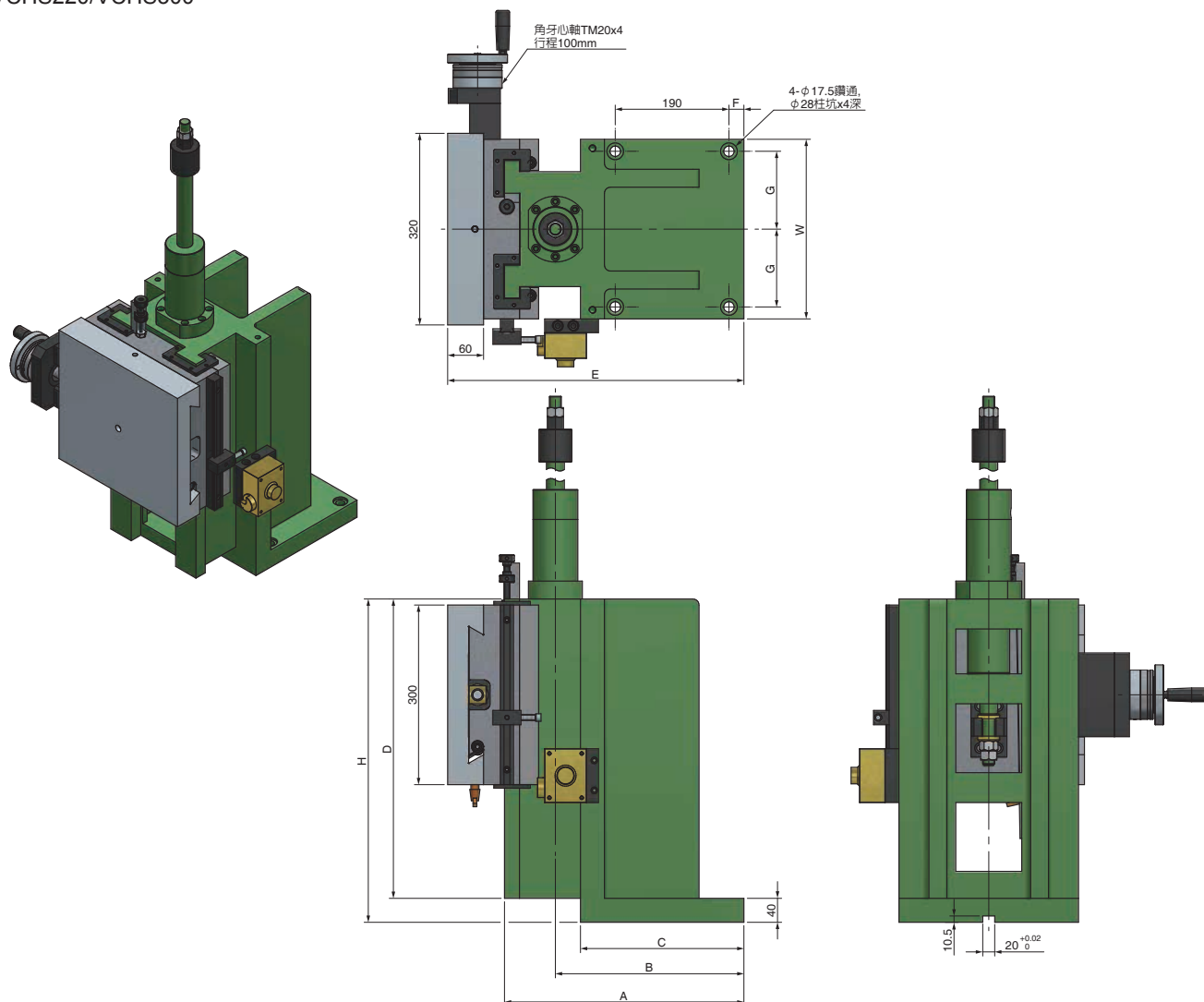
規格 Model	A	B	C	D	E	F	G
VCHH220-300/420	360	297	278	420	460	30	95
VCHH220-300/670	360	297	278	520	460	30	95
VCHH300-300/540	400	315	273	500	495	25	130
VCHH300-300/720	400	315	273	600	495	25	130

規格 Model	寬 W	高 H	油壓缸內徑	行程 Stroke	重量 Kg
VCHH220-300/420	220	420	50 雙心	100	165
VCHH220-300/670	220	670	50	200	203
VCHH300-300/540	300	540	60 雙心	180	215
VCHH300-300/720	300	720	60	280	261

※可訂製滾珠螺桿伺服傳動(VSS系列)

5088# 十字型立式油壓角牙滑座 Vertical Cross Table With Hydraulic & Lead Screw

VCCHS220/VCCHS300



單位：mm

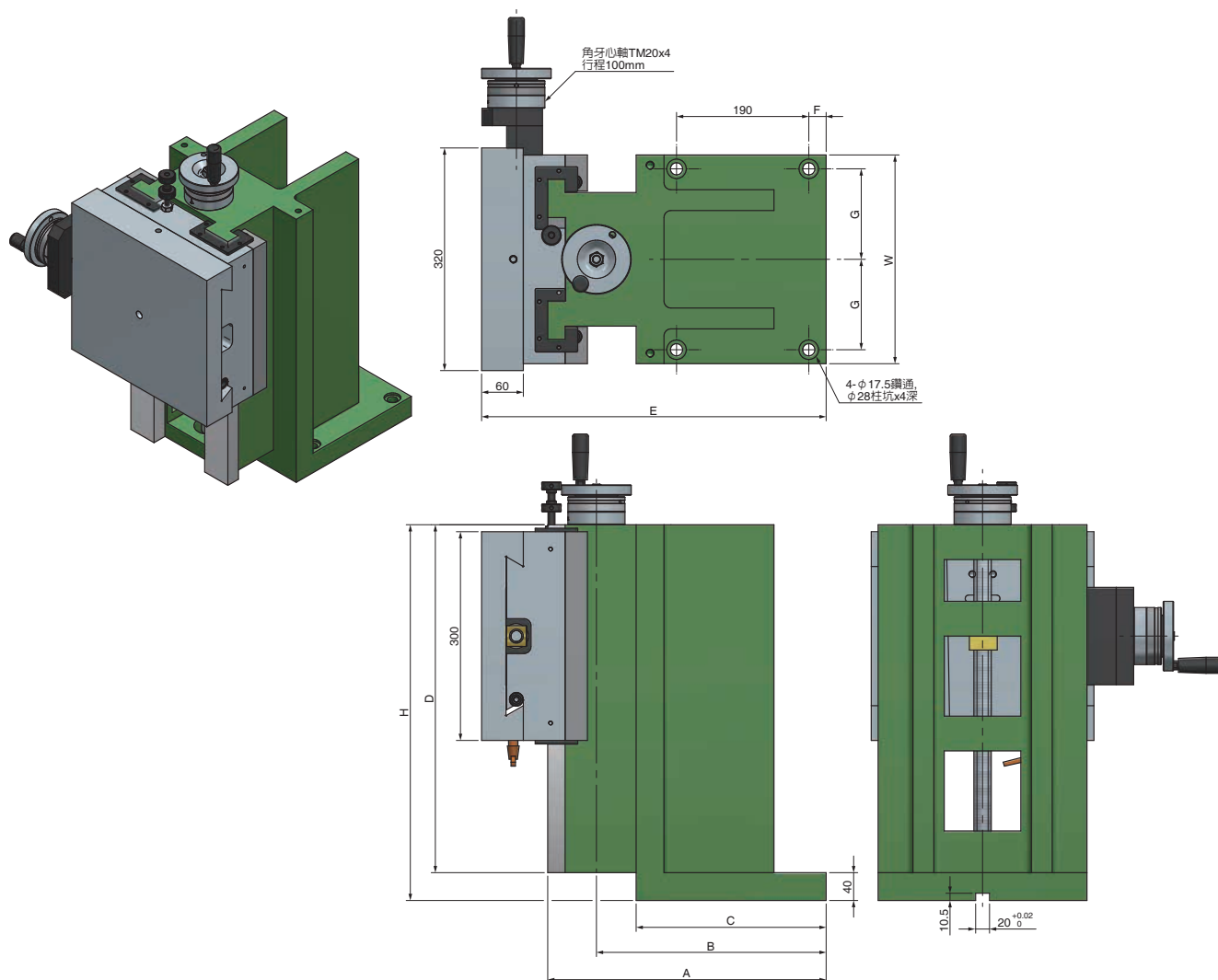
規格 Model	A	B	C	D	E	F	G
VCCHS220-300/420	360	297	278	420	460	30	95
VCCHS220-300/670	360	297	278	520	460	30	95
VCCHS300-300/540	400	315	273	500	495	25	130
VCCHS300-300/720	400	315	273	600	495	25	130

規格 Model	寬 W	高 H	油壓缸內徑	行程 Stroke	重量 Kg
VCCHS220-300/420	220	420	50雙心	100	160
VCCHS220-300/670	220	670	50	200	198
VCCHS300-300/540	300	540	60雙心	180	254
VCCHS300-300/720	300	720	60	280	300

※可訂製滾珠螺桿伺服傳動(VSS系列)

5089# 十字型立式角牙滑座 Vertical Cross Table With Lead Screw

VCSS220/VCSS300



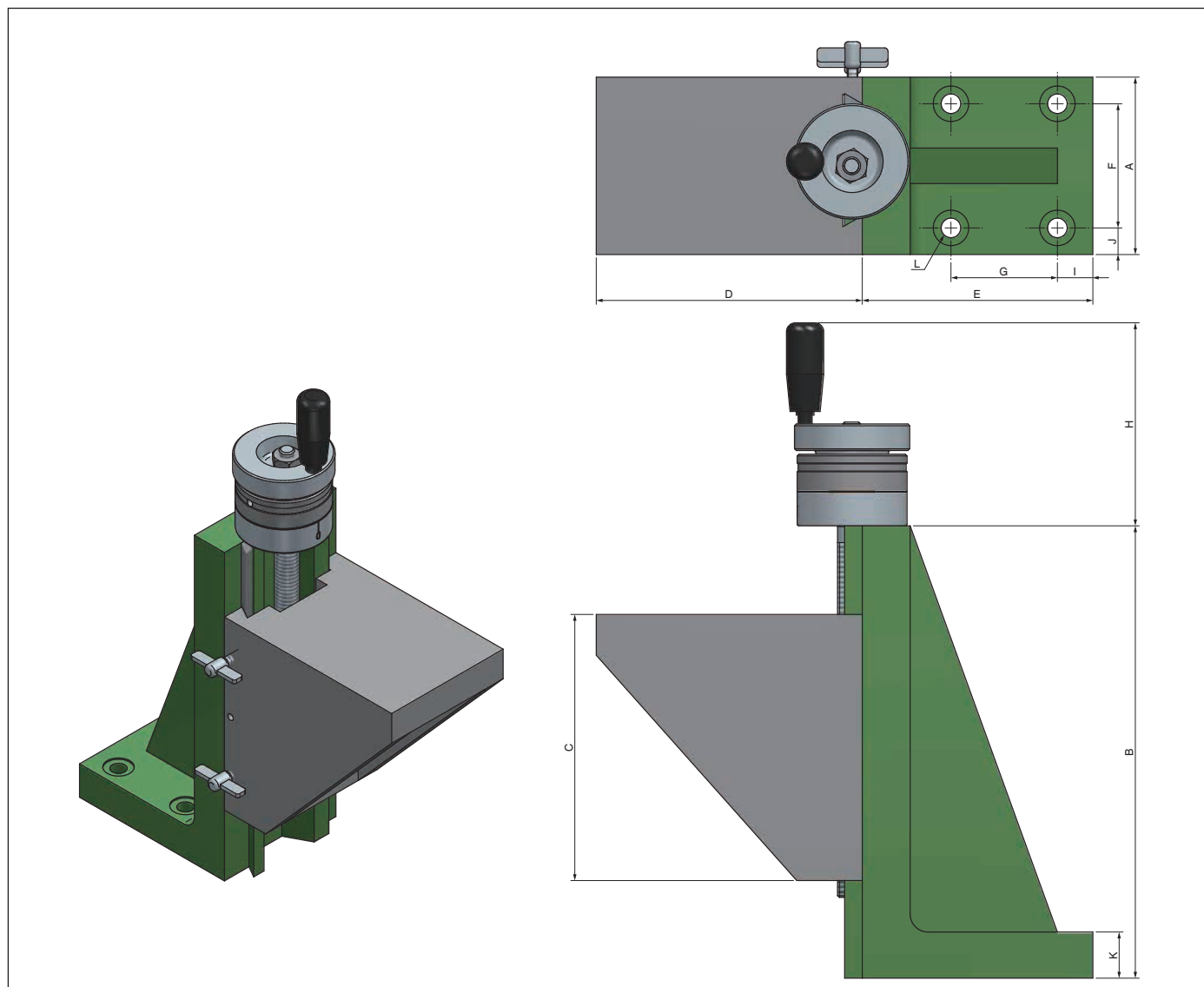
單位：mm

規格 Model	A	B	C	D	E	F	G
VCSS220-300/420	360	297	278	420	460	30	95
VCSS220-300/670	360	297	278	520	460	30	95
VCSS300-300/540	400	330	273	500	495	25	130
VCSS300-300/720	400	315	273	600	495	25	130

規格 Model	寬 W	高 H	角牙心軸	行程 Travel	重量 Kg
VCSS220-300/420	220	420	TM25×4	100	175
VCSS220-300/670	220	670	TM25×4	200	207
VCSS300-300/540	300	540	TM25×4	180	252
VCSS300-300/720	300	720	TM25×4	280	298

※可訂製滾珠螺桿伺服傳動(VSS系列)

5090# 立式平台滑座 Vertical Platform Slide

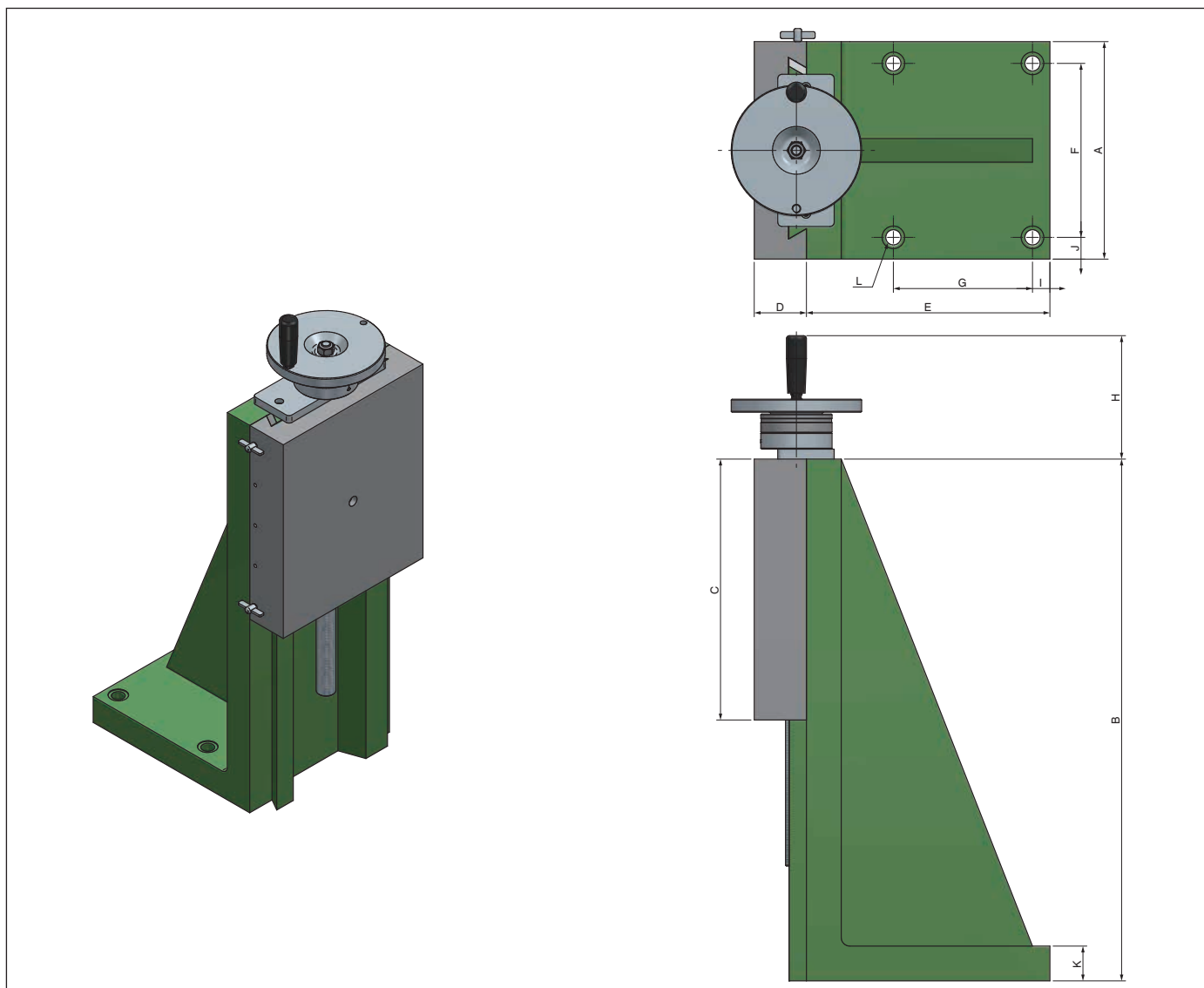


單位：mm

規格 Model	A	B	C	D	E	F	G	H	I	J	K
VAP-100	100	255	150	150	130	70	60	117	20	15	26
VAP-150	150	385	200	200	181	110	90	130	20	20	35
VAP-200	200	510	250	250	235	160	140	142	20	20	45

規格 Model	L	角牙心軸	行程 Stroke	刻環 Dial	重量 Kg
VAP-100	φ 4-11鑽通, 20柱坑×1深	TM16×2	105	2.0×0.01	15
VAP-150	φ 4-13鑽通, 23柱坑×1深	TM20×4	185	2.0×0.01	40
VAP-200	φ 4-17.5鑽通, 26柱坑×1深	TM20×4	260	2.0×0.01	82

5091# 立型鳩尾滑座 Vertical Angle Slide



單位：mm

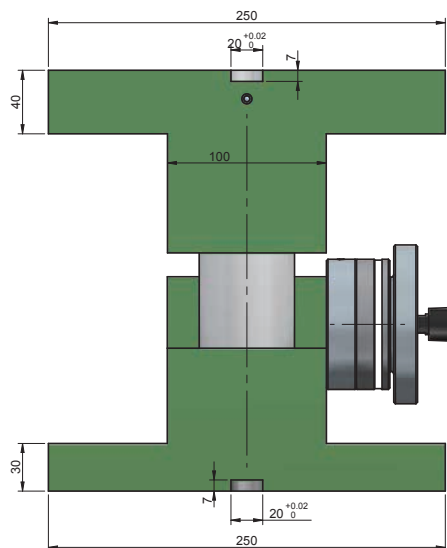
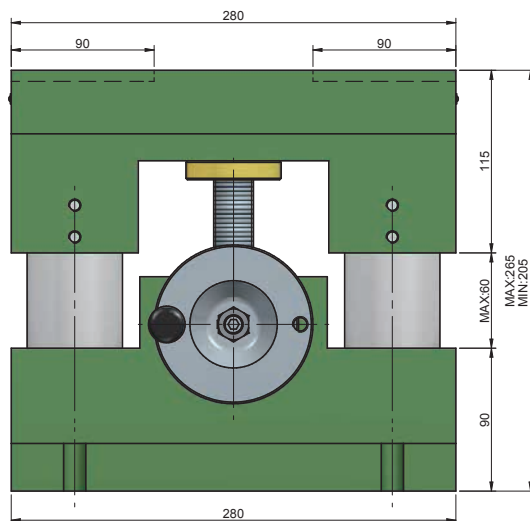
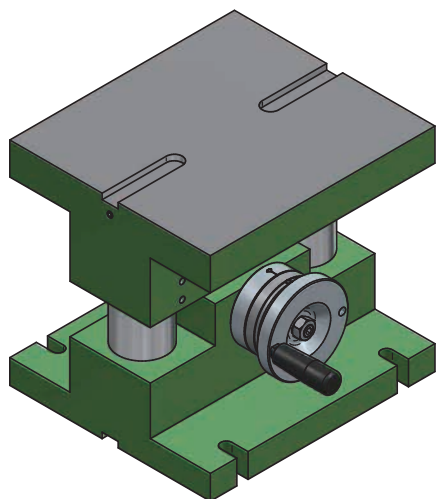
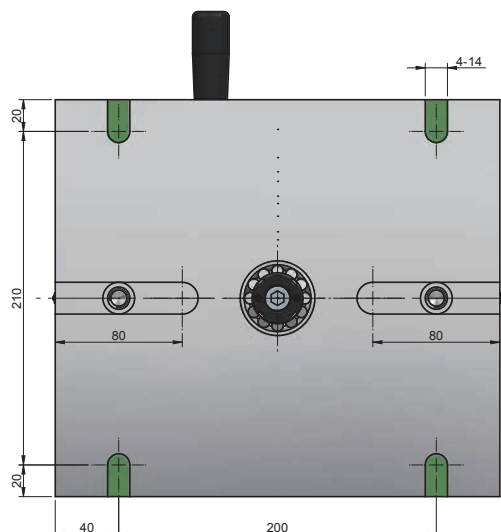
規格 Model	A	B	C	D	E	F	G	H	I	J	K
VAS-100	100	255	150	35	130	70	60	117	20	15	26
VAS-150	150	385	200	40	181	110	90	130	20	20	35
VAS-200	200	510	250	60	235	160	140	142	20	20	45
VAS-250	250	600	300	60	280	200	160	142	20	25	40

規格 Model	L	角牙心軸	行程 Stroke	刻環 Dial	重量 Kg
VAS-100	φ4-11鑽通, 20柱坑×1深	TM16×2	105	2.0×0.01	12
VAS-150	φ4-13鑽通, 23柱坑×1深	TM20×4	185	4.0×0.02	31
VAS-200	φ4-17.5鑽通, 26柱坑×1深	TM20×4	260	4.0×0.02	67
VAS-250	φ4-17.5鑽通, 26柱坑×1深	TM25×4	300	4.0×0.02	115

特點：

1. 研磨處理
2. 直角度0.03mm內

5092# CK-200臥式升降微調座 Horizontal Height adjustable Platform



規 格	Model	CK-200
最大載重	Max. Load	150 kg
行 程	Stroke	60 mm
高度範圍	Height	Max. 265 mm Min. 205 mm
重 量	Weight	64 kg

1. 構造堅強，可強力重切削。
2. 使用F-25C高級鑄鐵，特殊熱處理及調質加工，適合精密加工。
3. 手搖輪微調配件做省力化自動化設備。
4. 特殊尺寸，歡迎訂製。

5093# 伺服線性滾珠滑座 Servo Slide with Linear Guideway and Ball Screws

單位：mm

Model	上蓋尺寸	下蓋尺寸	Stroke	Ball screw	Linear	Max-load	Weight
RHE120-320L	120x200	120x320	100	φ 16x5xC7	15	80Kg	
RHE150-320L	150x200	150x320	100	φ 16x5xC7	15	120Kg	
RHE200-420L	200x300	200x420	100	φ 20x5xC7	20	150Kg	
RHE200-520L	200x300	200x520	200	φ 20x5xC7	20	150Kg	
RHE250-420L	250x300	250x420	100	φ 25x5xC7	25	250Kg	
RHE250-520L	250x300	250x520	200	φ 25x5xC7	25	250Kg	
RHE300-420L	300x300	300x420	100	φ 25x5xC7	25	350Kg	
RHE300-520L	300x300	300x520	200	φ 25x5xC7	25	350Kg	

※可選配C5或C3等級螺桿

※Ball screw grade C5 and C3 is available upon request.

※重量不含伺服馬達

標準配備：

1.馬達座

2.聯軸器

可選配備：

1.前後伸縮護蓋

2.注油式分配器

Standard Accessories:

1.Servo Motor Stand

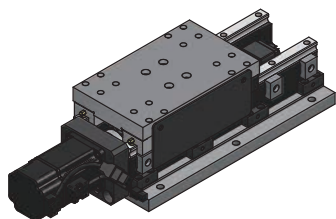
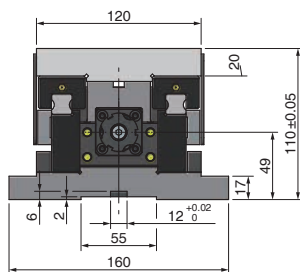
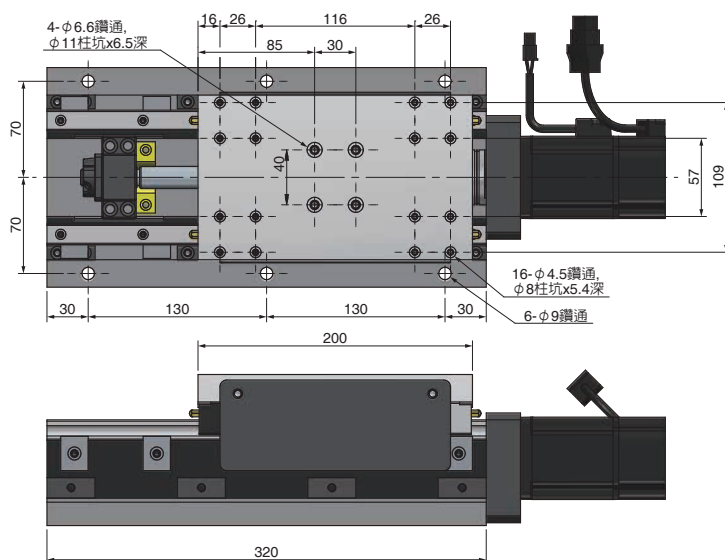
2.Coupling

Optional:

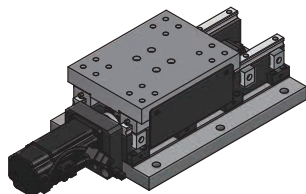
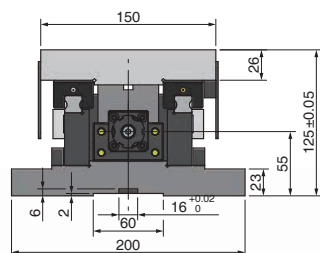
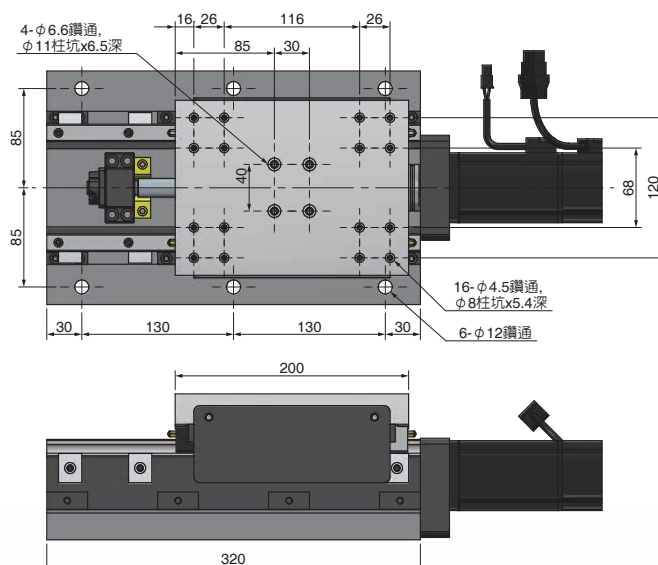
1.Telescopic Covers

2.Distributor

RHE120-320L

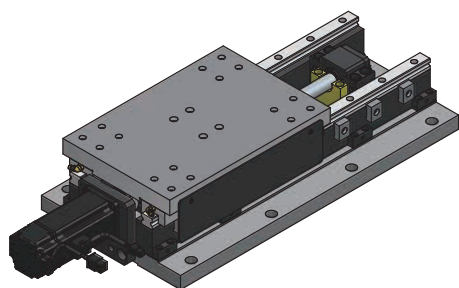
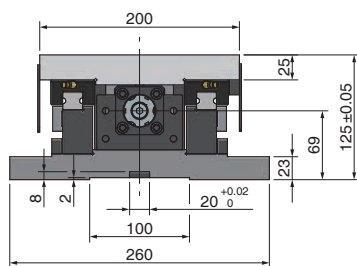
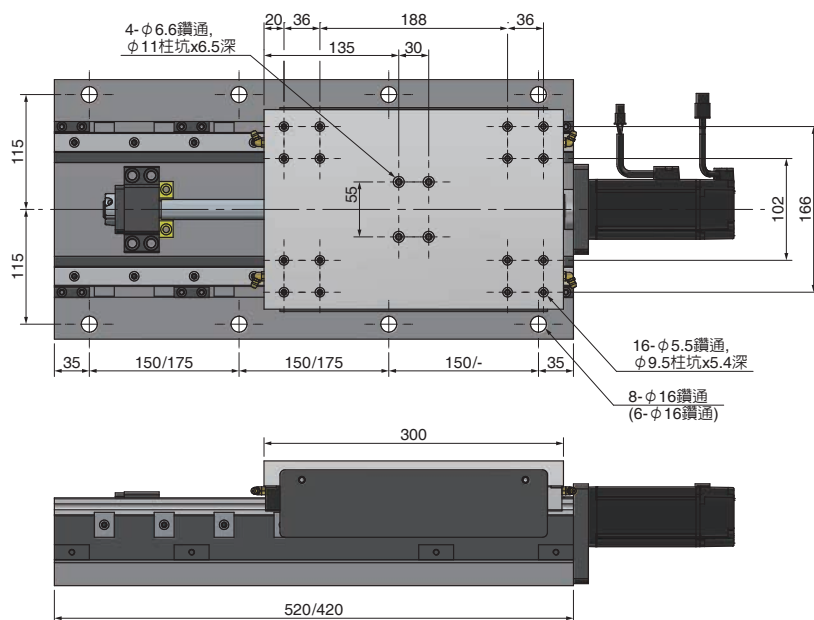


RHE150-320L

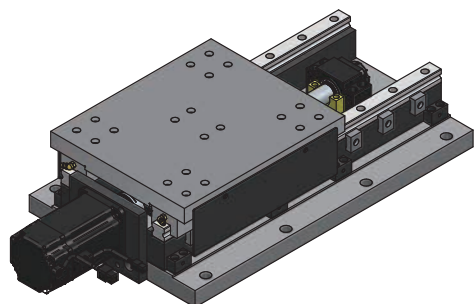
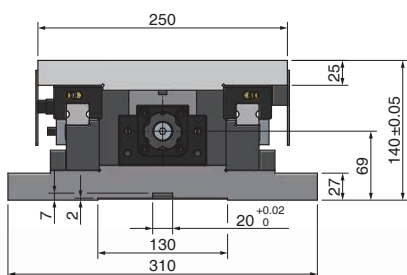
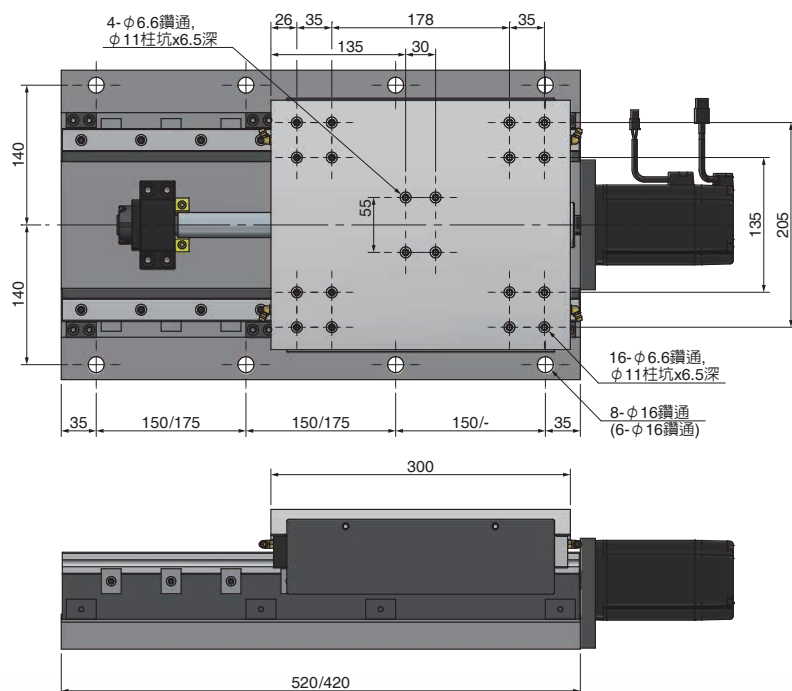


5093# 伺服线性滚珠滑座 Servo Slide with Linear Guideway and Ball Screws

RHE200-420L
RHE200-520L

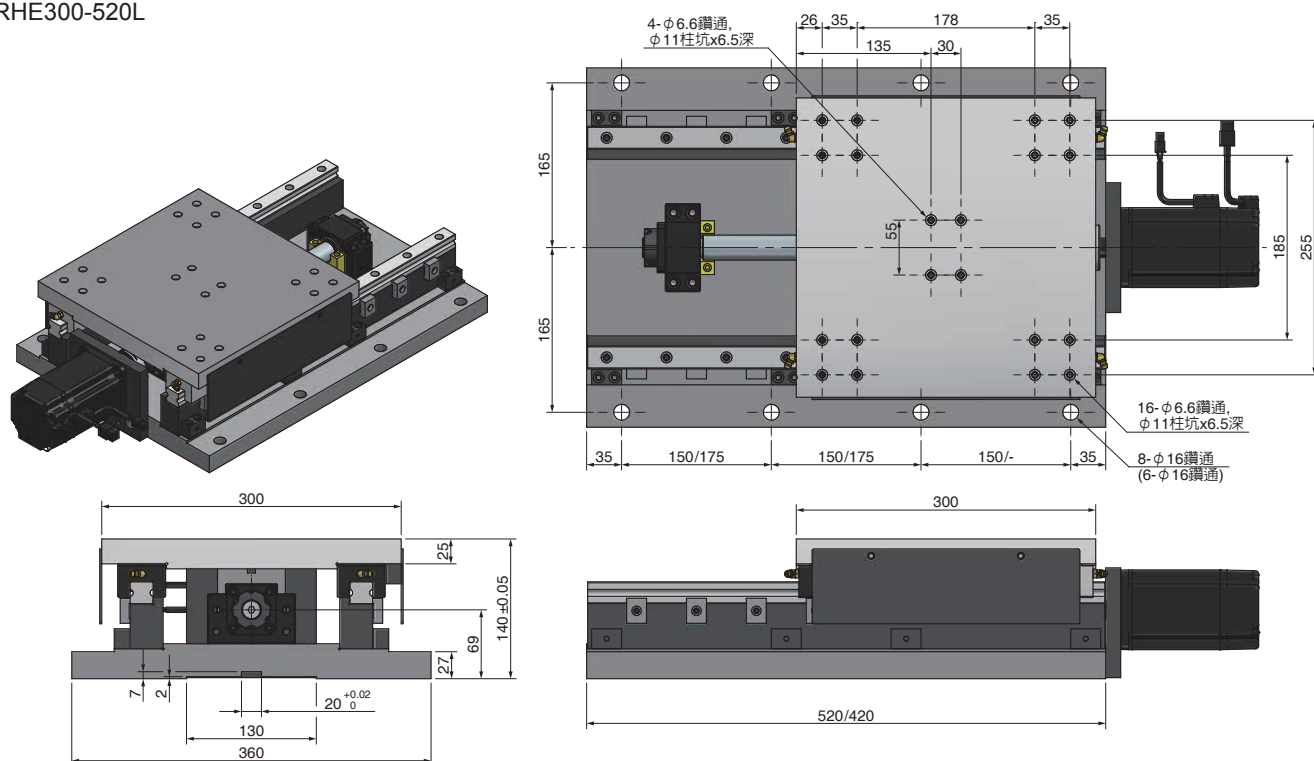


RHE250-420L
RHE250-520L

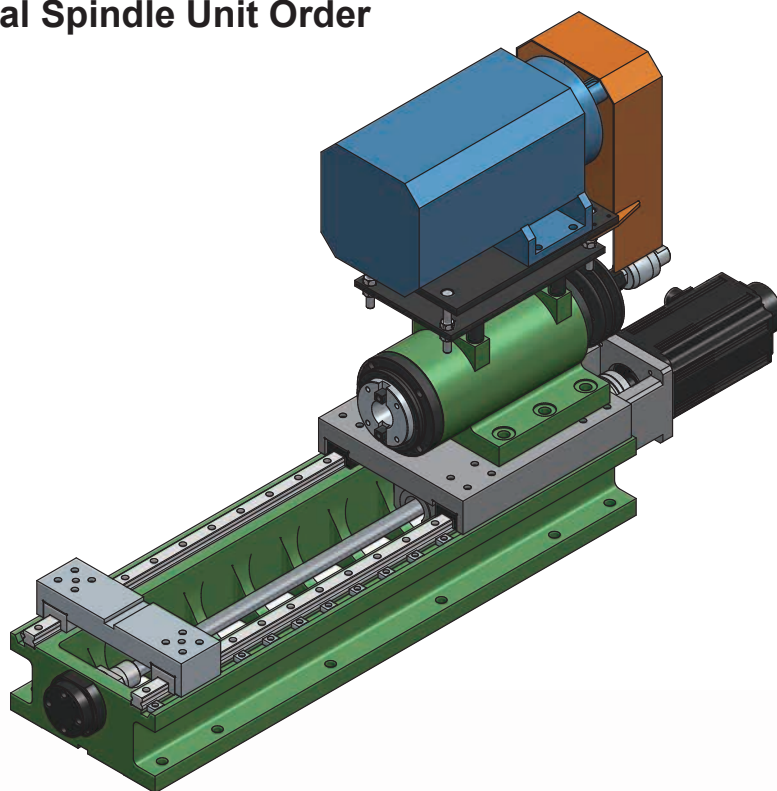


5093# 伺服線性滾珠滑座 Servo Slide with Linear Guideway and Ball Screws

RHE300-420L
RHE300-520L



可接受特殊規格動力頭訂製
We accept Special Spindle Unit Order



5094# 伺服線性滾珠滑座 Servo Slide with Linear Guideway and Ball Screws

單位：mm

Model	W	L	Stroke	Ball screw	Linear	Max-load	Weight
RH150-400L	150	400	90	$\phi 20 \times 5 \times C7$	20	120Kg	47
RH200-400L	200	400	90	$\phi 20 \times 5 \times C7$	20	150Kg	59
RH200-640L	200	640	330	$\phi 20 \times 5 \times C7$	20	150Kg	80
RH250-520L	250	520	160	$\phi 25 \times 5 \times C7$	25	250Kg	98
RH250-760L	250	760	400	$\phi 25 \times 5 \times C7$	25	250Kg	136
RH250-1000L	250	1000	640	$\phi 25 \times 5 \times C7$	25	250Kg	160
RH300-520L	300	520	160	$\phi 25 \times 5 \times C7$	25	350Kg	113
RH300-760L	300	760	400	$\phi 25 \times 5 \times C7$	25	350Kg	143
RH300-1000L	300	1000	640	$\phi 25 \times 5 \times C7$	25	350Kg	168

※可選配C5或C3等級螺桿

※Ball screw grade C5 and C3 is available upon request.

※重量不含伺服馬達

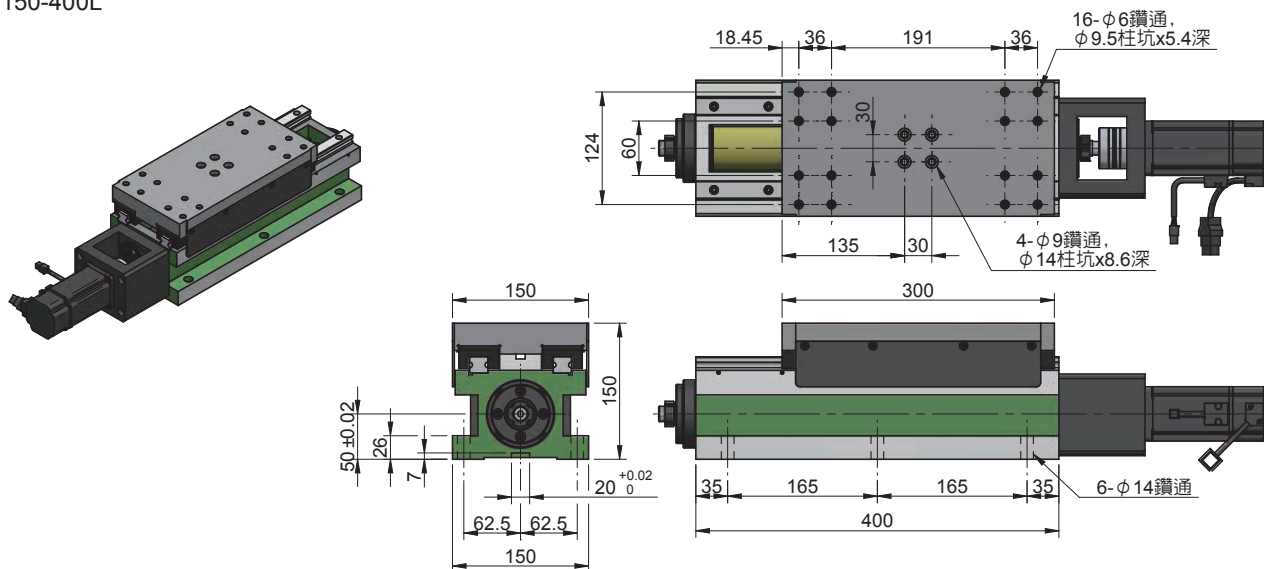
標準配備：

- 1.馬達座
- 2.聯軸器
- 3.前後伸縮護蓋
- 4.注油式分配器

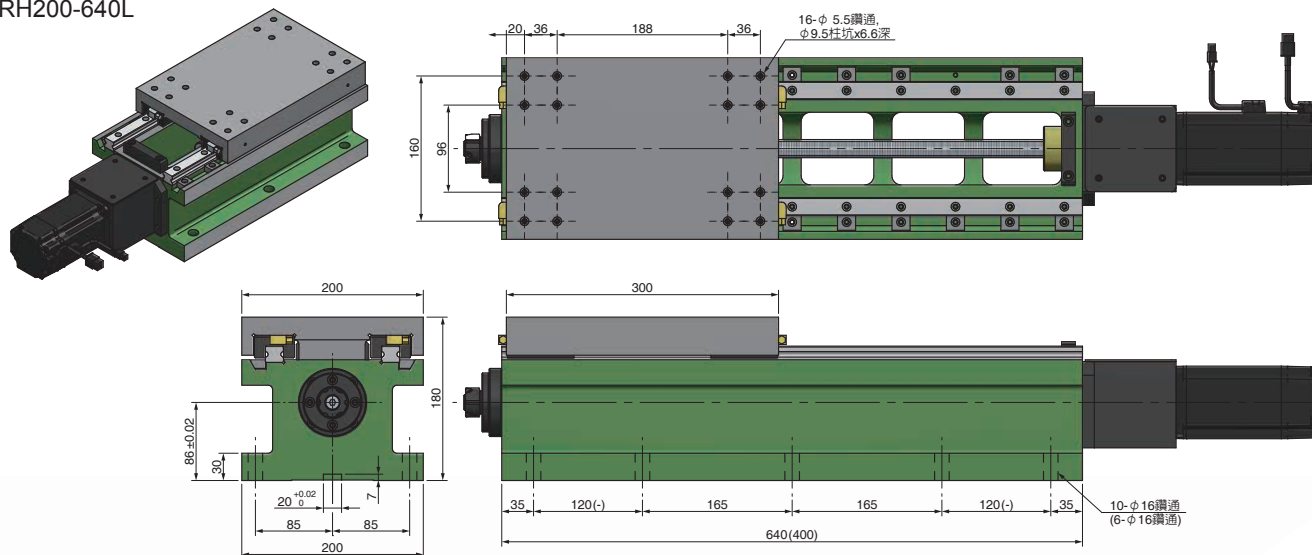
Standard Accessories:

- 1.Servo Motor Stand
- 2.Coupling
- 3.Telescopic Covers
- 4.Distributor

RH150-400L

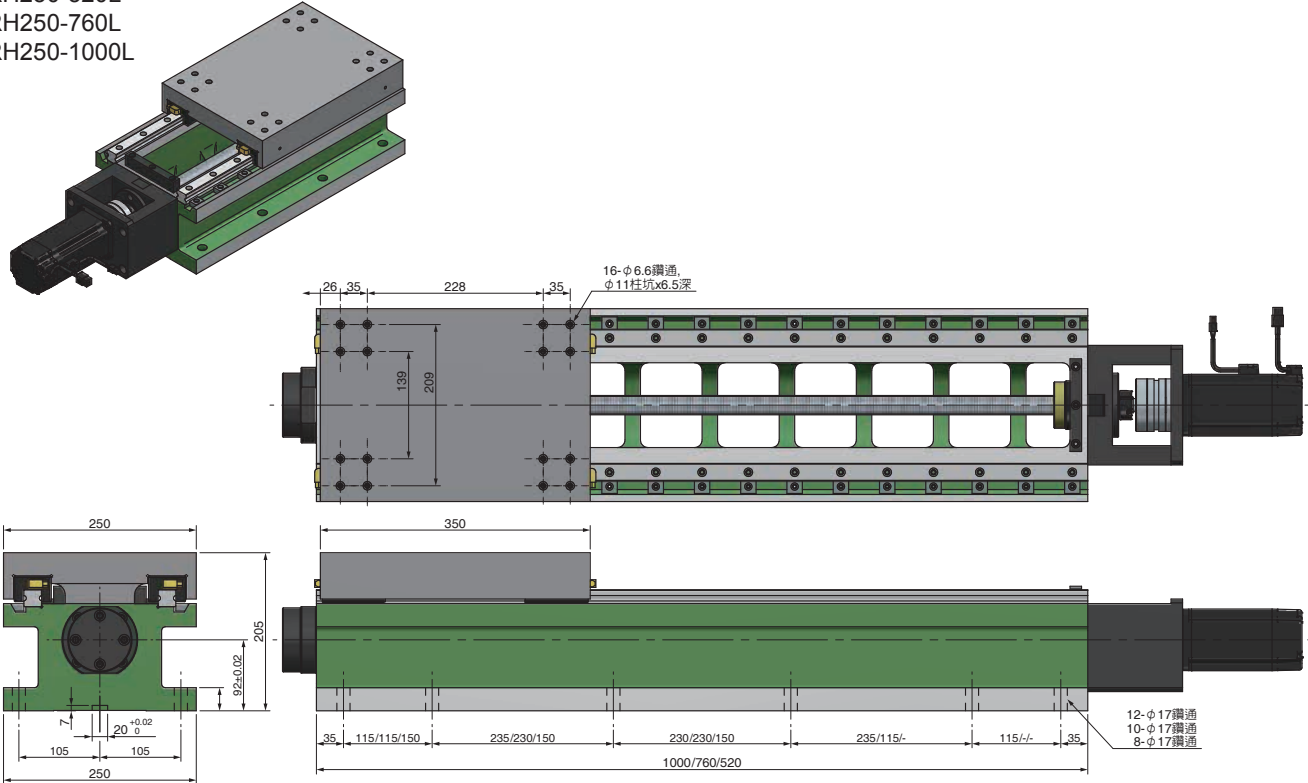


RH200-400L
RH200-640L

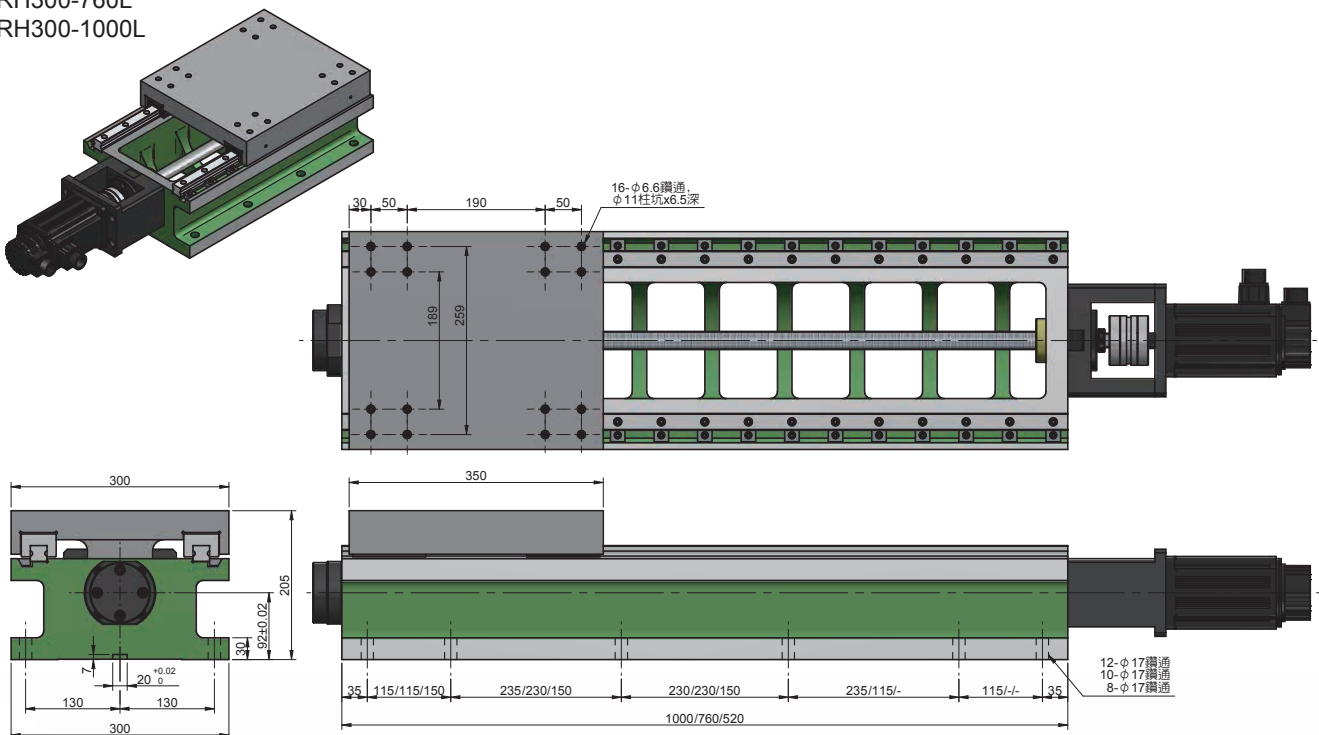


5094# 伺服線性滾珠滑座 Servo Slide with Linear Guideway and Ball Screws

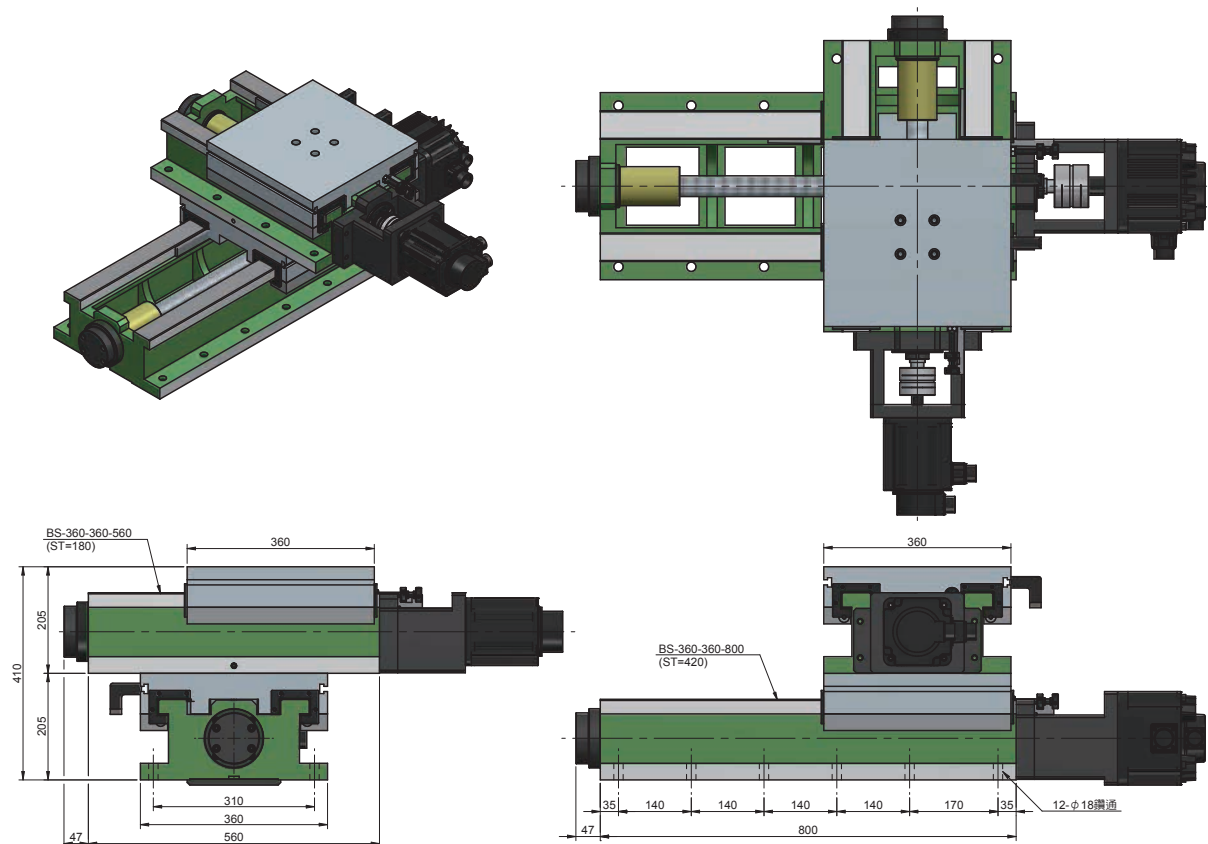
RH250-520L
RH250-760L
RH250-1000L



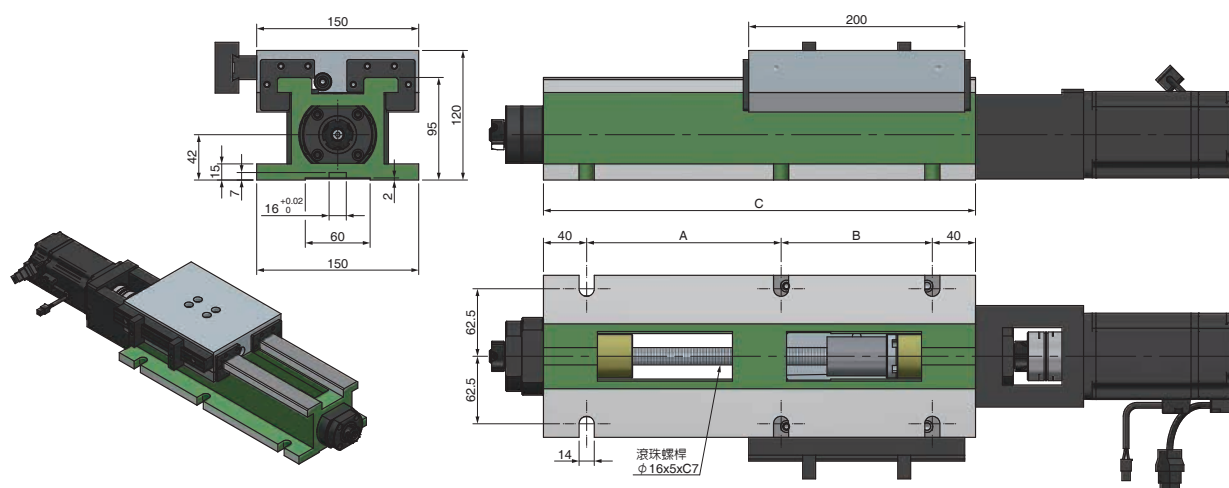
RH300-520L
RH300-760L
RH300-1000L



5095# 十字滑台 (CBB-360) Cross Servo Slide With Hardness Guideway and Ball Screws



5096# 伺服硬軌滾珠滑台 (150) 上蓋滑道均貼耐磨片 With Turcite for Guideway Servo Slide With Hardness Guideway and Ball Screws (150)



單位：mm

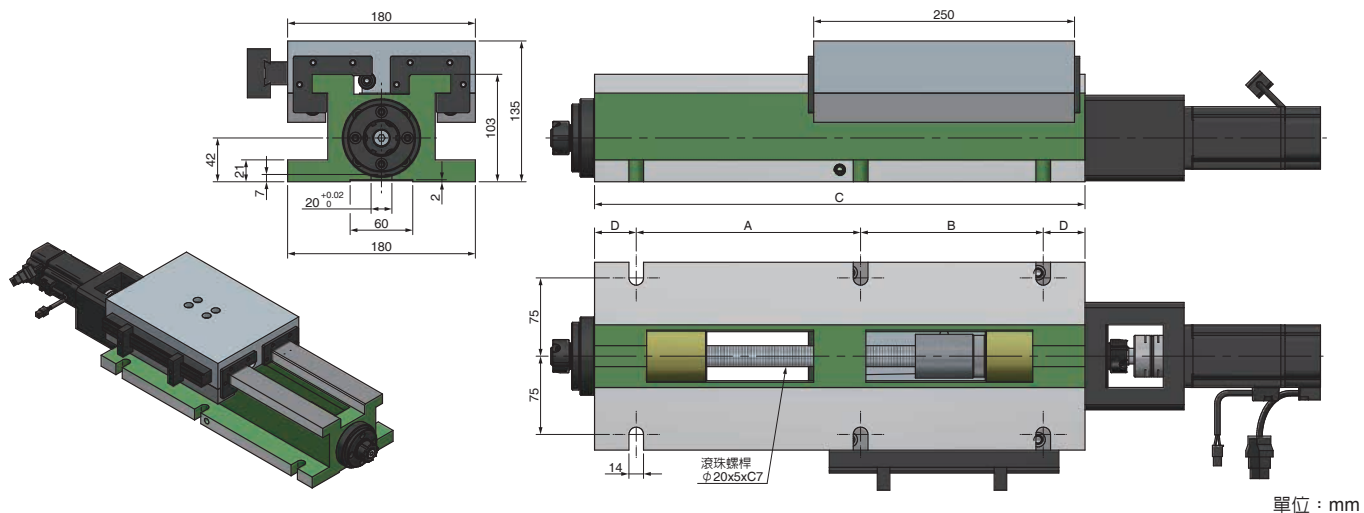
規格 Model	A	B	C	行程 Travel	重量 Weight
BS150-200/300	220	—	300	80	37
BS150-200/400	180	140	400	180	45

※可選配C5或C3等級螺桿

※Ball screw grade C5 and C3 is available upon request.

※重量不含伺服馬達

5096# 伺服硬軌滾珠滑台(180) 上蓋滑道均貼耐磨片 With Turcite for Guideway Servo Slide With Hardness Guideway and Ball Screws (180)



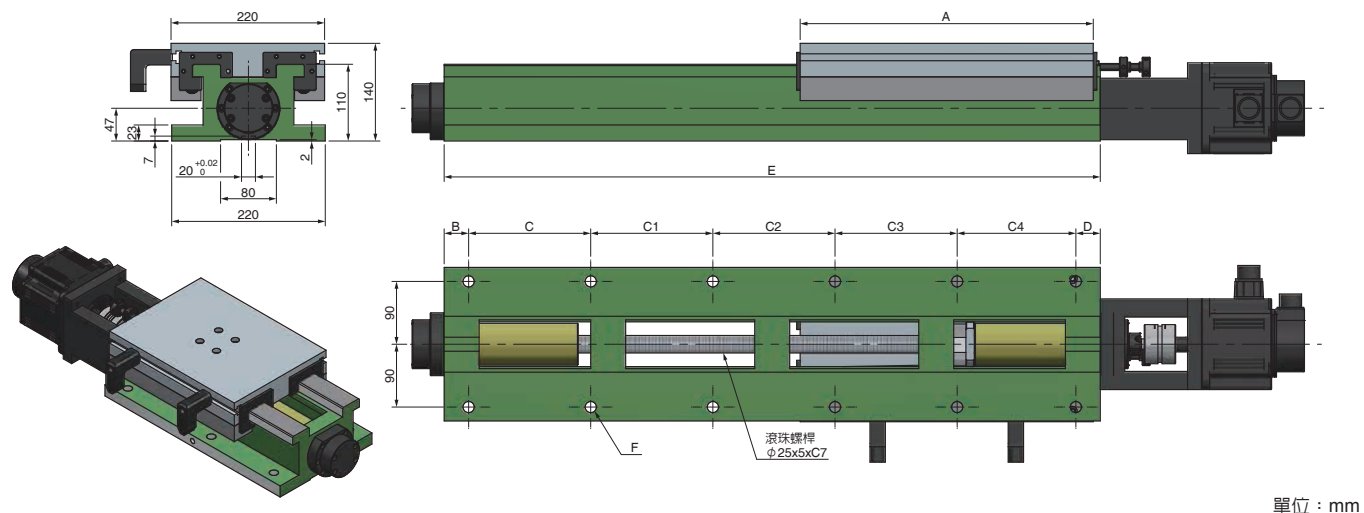
規格 Model	A	B	C	D	行程 Travel	重量 Weight
BS180-250/370	180	140	370	25	100	66
BS180-250/470	215	175	470	40	200	72

※可選配C5或C3等級螺桿

※Ball screw grade C5 and C3 is available upon request.

※重量不含伺服馬達

5096# 伺服硬軌滾珠滑台(220) 上蓋滑道均貼耐磨片 With Turcite for Guideway Servo Slide With Hardness Guideway and Ball Screws (220)



規格 Model	A	B	C	C1	C2	C3	C4	D	E	F	行程 Travel	重量 Weight
BS220-300/420	300	35	150	200	—	—	—	35	420	6-φ16 鑽通	100	62
BS220-300/520	300	35	150	150	150	—	—	35	520	8-φ16 鑽通	200	73
BS220-300/670	300	35	140	140	140	180	—	35	670	10-φ16 鑽通	350	85
BS220-420/670	420	35	140	140	140	180	—	35	670	10-φ16 鑽通	230	90
BS220-420/800	420	35	140	140	140	140	170	35	800	12-φ16 鑽通	360	95
BS220-420/940	420	35	175	175	175	175	170	35	940	12-φ16 鑽通	500	110

※可選配C5或C3等級螺桿

※Ball screw grade C5 and C3 is available upon request.

※重量不含伺服馬達

5096#



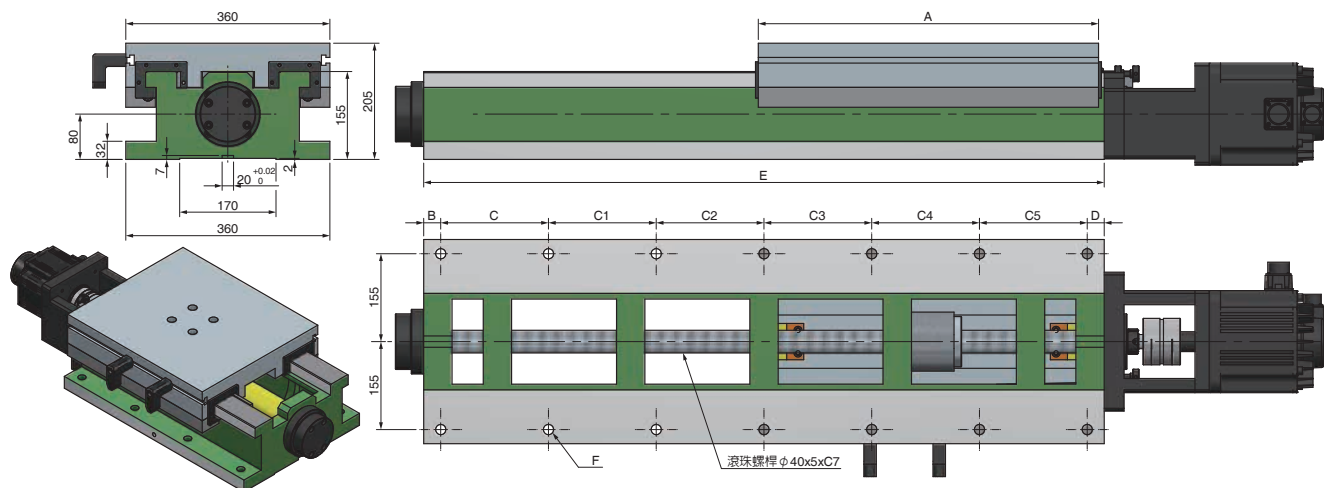
※Ball screw grade C5 and C3 is available upon request.

5096#



※Ball screw grade C5 and C3 is available upon request.

5096# 伺服硬軌滾珠滑台(360) 上蓋滑道均貼耐磨片 With Turcite for Guideway Servo Slide With Hardness Guideway and Ball Screws (360)



單位 : mm

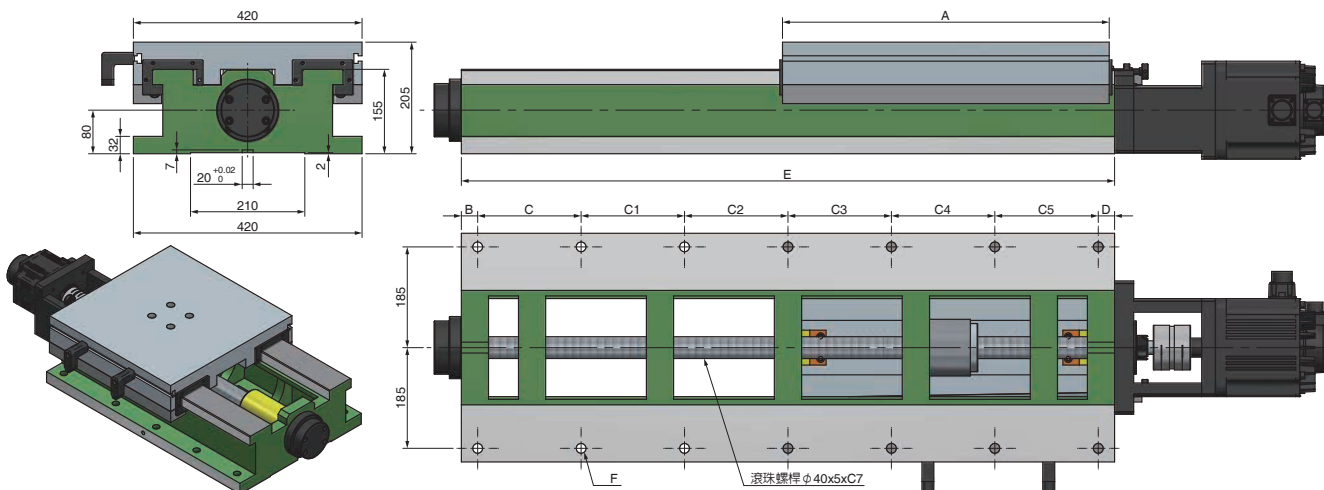
規格 Model	A	B	C	C1	C2	C3	C4	C5	D	E	F	行程 Travel	重量 Weight
BS360-360/560	360	35	165	165	165	—	—	—	30	560	8-φ18 鑽通	180	167
BS360-420/560	420	35	165	165	165	—	—	—	30	560	8-φ18 鑽通	120	171
BS360-420/670	420	35	140	140	140	180	—	—	35	670	10-φ18 鑽通	230	192
BS360-420/800	420	35	140	140	140	140	170	—	35	800	12-φ18 鑽通	360	207
BS360-520/800	520	35	140	140	140	140	170	—	35	800	12-φ18 鑽通	260	212
BS360-520/940	520	35	175	175	175	175	175	—	30	940	12-φ18 鑽通	400	227
BS360-600/1200	600	30	190	190	190	190	190	190	30	1200	14-φ18 鑽通	580	273

※可選配C5或C3等級螺桿

※Ball screw grade C5 and C3 is available upon request.

※重量不含伺服馬達

5096# 伺服硬軌滾珠滑台(420) 上蓋滑道均貼耐磨片 With Turcite for Guideway Servo Slide With Hardness Guideway and Ball Screws (420)



單位 : mm

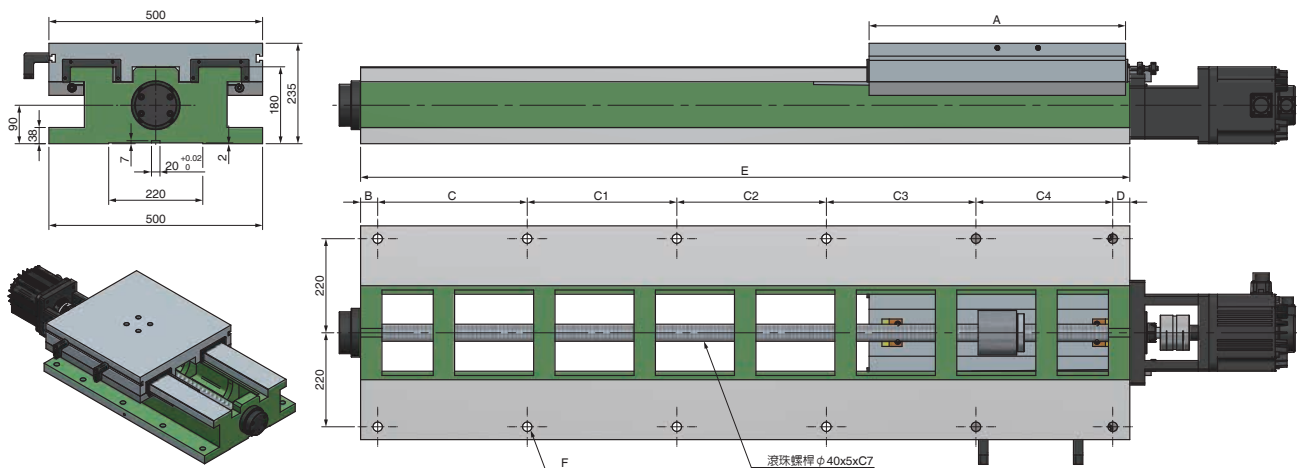
規格 Model	A	B	C	C1	C2	C3	C4	C5	D	E	F	行程 Travel	重量 Weight
BS420-420/560	420	35	165	165	165	—	—	—	30	560	8-φ18 鑽通	120	221
BS420-420/670	420	35	140	140	140	180	—	—	35	670	10-φ18 鑽通	230	230
BS420-520/940	520	35	175	175	175	175	175	—	30	940	12-φ18 鑽通	400	292
BS420-600/1200	600	30	190	190	190	190	190	190	30	1200	14-φ18 鑽通	580	323

※可選配C5或C3等級螺桿

※Ball screw grade C5 and C3 is available upon request.

※重量不含伺服馬達

5096# 伺服硬軌滾珠滑台(500) 上蓋滑道均貼耐磨片 With Turcite for Guideway Servo Slide With Hardness Guideway and Ball Screws (500)



單位：mm

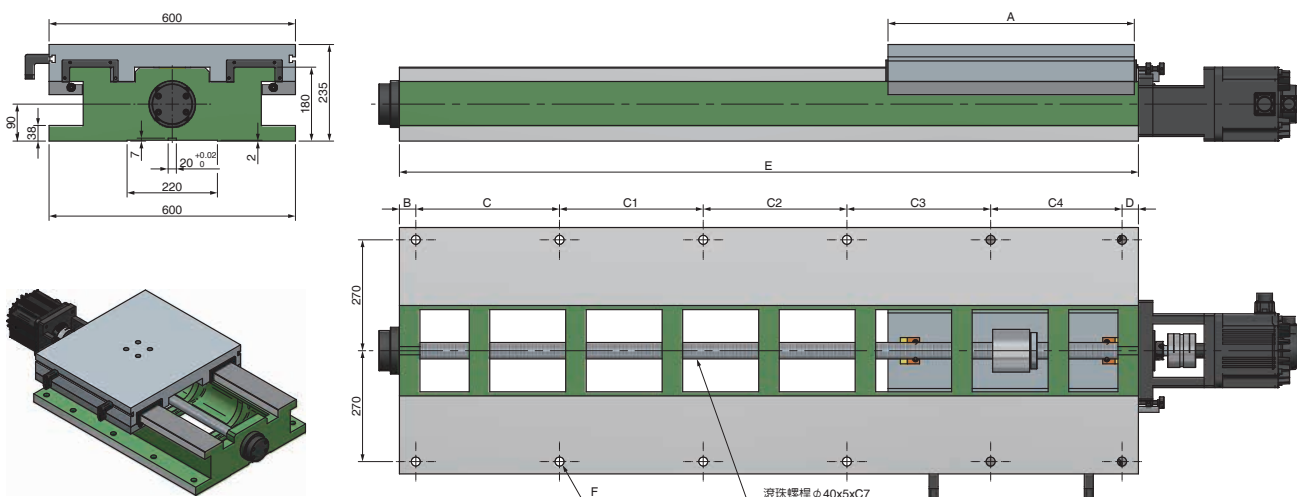
規格 Model	A	B	C	C1	C2	C3	C4	D	E	F	行程 Travel	重量 Weight
BS500-520/885	520	40	220	220	220	145	—	40	885	10-φ22 鑽通	345	422
BS500-600/1200	600	40	220	220	220	220	240	40	1200	12-φ22 鑽通	580	515
BS500-600/1800	600	40	350	350	350	350	320	40	1800	12-φ22 鑽通	1180	655

※可選配C5或C3等級螺桿

※Ball screw grade C5 and C3 is available upon request.

※重量不含伺服馬達

5096# 伺服硬軌滾珠滑台(600) 上蓋滑道均貼耐磨片 With Turcite for Guideway Servo Slide With Hardness Guideway and Ball Screws (600)



單位：mm

規格 Model	A	B	C	C1	C2	C3	C4	D	E	F	行程 Travel	重量 Weight
BS600-520/885	520	40	220	220	220	145	—	40	885	10-φ22 鑽通	345	455
BS600-600/1200	600	40	220	220	220	220	240	40	1200	12-φ22 鑽通	580	542
BS600-600/1800	600	40	350	350	350	350	320	40	1800	12-φ22 鑽通	1180	720

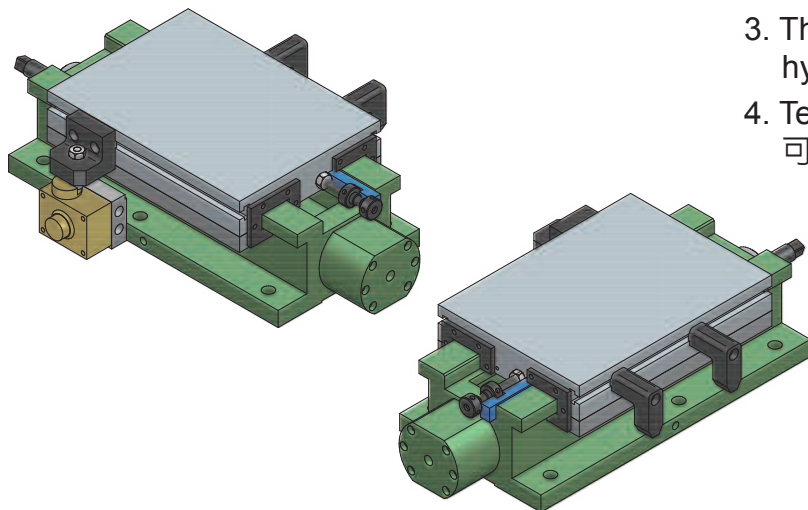
※可選配C5或C3等級螺桿

※Ball screw grade C5 and C3 is available upon request.

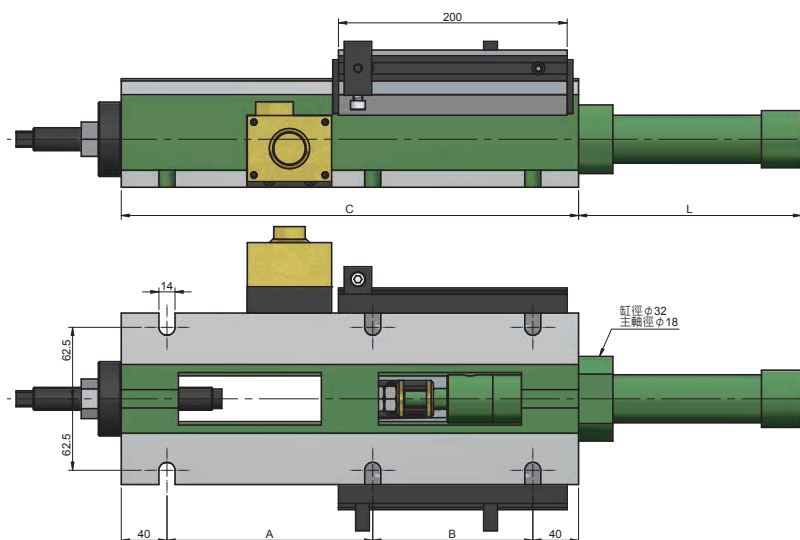
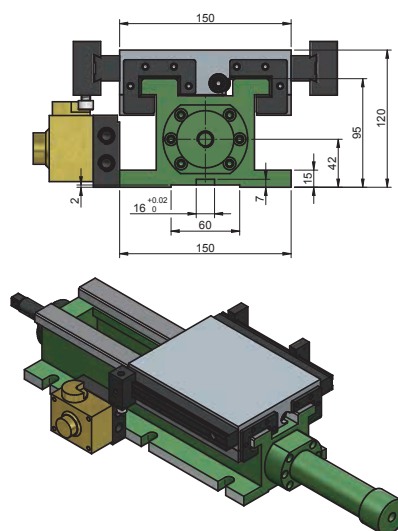
※重量不含伺服馬達

5097# 油壓滑台 (附油缸與流量閥) Hydraulic Slide Units

1. Use high tensile cast iron normalised and stress relieved.
2. Slide-way hardened ground.
3. This unit can be driven by automated hydraulic power pack.
4. Telescopic covers (optional)
可另購防塵伸縮/固定護蓋



5097# 油壓滑台 (150) Hydraulic Slide Units (150)

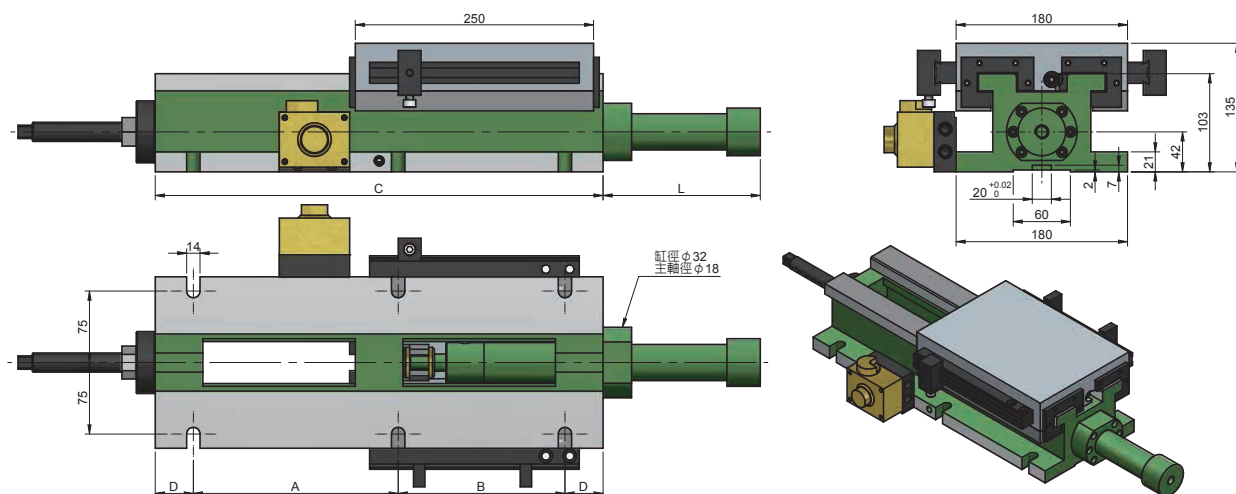


※可訂製滾珠螺桿伺服傳動 (BS系列)

單位 : mm

規格 Model	A	B	C	L	行程 Travel	重量 Weight
HS150-200/300	220	—	300	85	80	37
HS150-200/400	180	140	400	195	180	45

5097# 油壓滑台 (180) Hydraulic Slide Units (180)

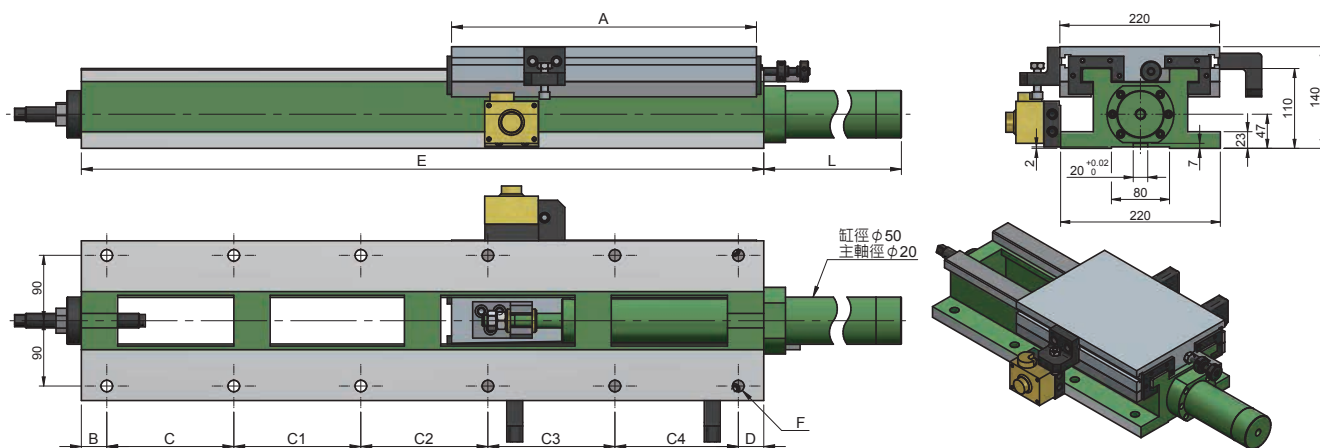


※可訂製滾珠螺桿伺服傳動 (BS系列)

單位 : mm

規格 Model	A	B	C	D	L	行程 Travel	重量 Weight
HS180-250/370	180	140	370	25	65	100	66
HS180-250/470	215	175	470	40	165	200	72

5097# 油壓滑台 (220) Hydraulic Slide Units (220)

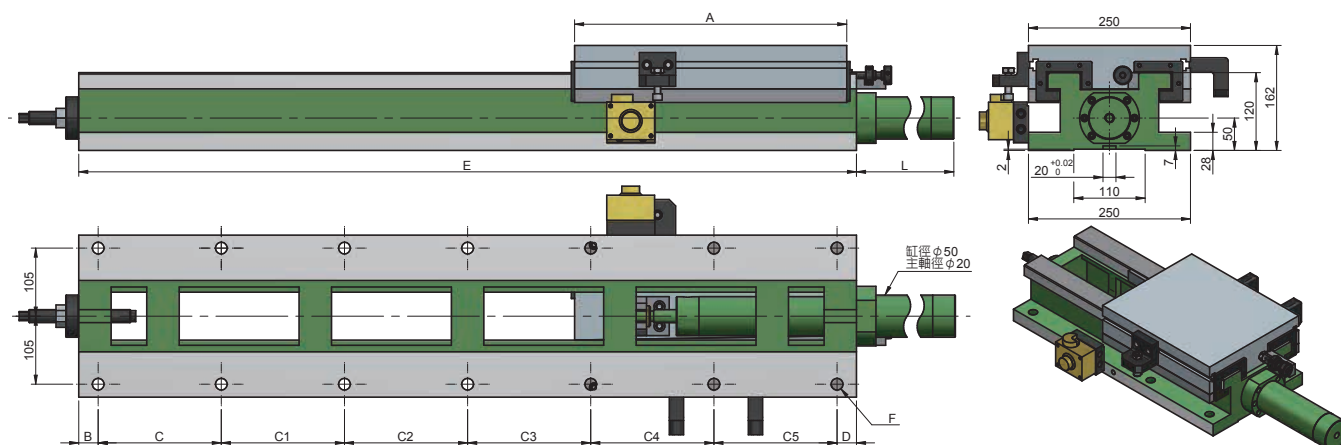


※可訂製滾珠螺桿伺服傳動 (BS系列)

單位 : mm

規格 Model	A	B	C	C1	C2	C3	C4	D	E	F	L	行程 Travel	重量 Weight
HS220-300/420	300	35	150	200	—	—	—	35	420	6-φ 16 鑽通	65	100	62
HS220-300/520	300	35	150	150	150	—	—	35	520	8-φ 16 鑽通	182	200	73
HS220-300/670	300	35	140	140	140	180	—	35	670	10-φ 16 鑽通	332	350	85
HS220-420/670	420	35	140	140	140	180	—	35	670	10-φ 16 鑽通	87	230	90
HS220-420/800	420	35	140	140	140	140	170	35	800	12-φ 16 鑽通	222	360	95
HS220-420/940	420	35	175	175	175	175	170	35	940	12-φ 16 鑽通	362	500	110

5097# 油壓滑台 (250) Hydraulic Slide Units (250)

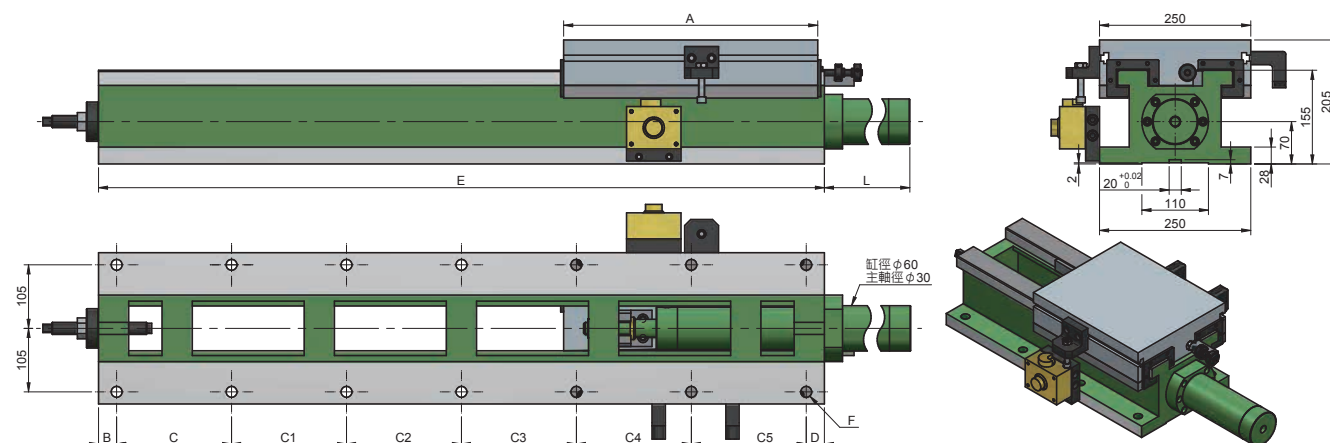


※可訂製滾珠螺桿伺服傳動 (BS系列)

單位 : mm

規格 Model	A	B	C	C1	C2	C3	C4	C5	D	E	F	L	行程 Travel	重量 Weight
HS250-300/420	300	35	150	200	—	—	—	—	35	420	6-φ 18 鑽通	65	100	82
HS250-300/560	300	35	165	165	165	—	—	—	30	560	8-φ 18 鑽通	222	240	90
HS250-420/560	420	35	165	165	165	—	—	—	30	560	8-φ 18 鑽通	65	120	94
HS250-420/670	420	35	140	140	140	180	—	—	35	670	10-φ 18 鑽通	87	230	110
HS250-420/750	420	25	140	140	140	140	140	—	25	750	12-φ 18 鑽通	172	310	130
HS250-420/940	420	35	175	175	175	175	175	—	30	940	12-φ 18 鑽通	362	500	155
HS250-420/1200	420	30	190	190	190	190	190	190	30	1200	14-φ 18 鑽通	622	760	192

5097# 油壓滑台 (250H) Hydraulic Slide Units (250H)



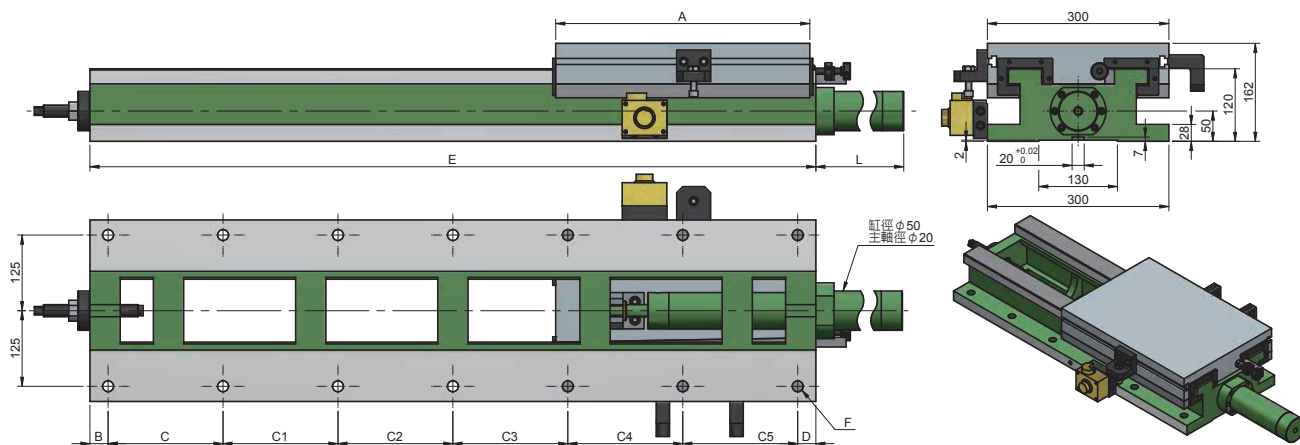
※可訂製滾珠螺桿伺服傳動 (BS系列)

單位 : mm

規格 Model	A	B	C	C1	C2	C3	C4	C5	D	E	F	L	行程 Travel	重量 Weight
HS250-300/420H	300	35	150	200	—	—	—	—	35	420	6-φ 18 鑽通	75	100	92
HS250-300/560H	300	35	165	165	165	—	—	—	30	560	8-φ 18 鑽通	224	240	100
HS250-420/560H	420	35	165	165	165	—	—	—	30	560	8-φ 18 鑽通	75	120	108
HS250-420/670H	420	35	140	140	140	180	—	—	35	670	10-φ 18 鑽通	87	230	130
HS250-420/750H	420	25	140	140	140	140	140	—	25	750	12-φ 18 鑽通	179	310	148
HS250-420/940H	420	35	175	175	175	175	175	—	30	940	12-φ 18 鑽通	368	500	178
HS250-420/1200H	420	30	190	190	190	190	190	190	30	1200	14-φ 18 鑽通	628	760	215

5097# 油壓滑台 (300)

Hydraulic Slide Units (300)



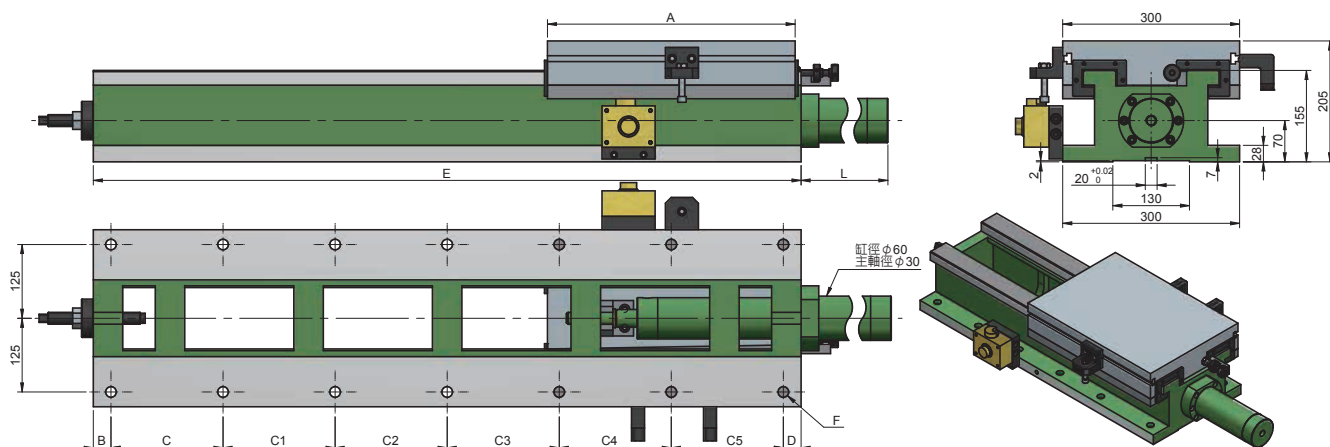
※可訂製滾珠螺桿伺服傳動 (BS系列)

單位 : mm

規格 Model	A	B	C	C1	C2	C3	C4	C5	D	E	F	L	行程 Travel	重量 Weight
HS300-300/420	300	35	150	200	—	—	—	—	35	420	6-φ 18 鑽通	65	100	100
HS300-360/560	360	35	165	165	165	—	—	—	30	560	8-φ 18 鑽通	102	180	115
HS300-420/560	420	35	165	165	165	—	—	—	30	560	8-φ 18 鑽通	65	120	117
HS300-420/670	420	35	140	140	140	180	—	—	35	670	10-φ 18 鑽通	102	230	135
HS300-420/800	420	35	140	140	140	140	170	—	35	800	12-φ 18 鑽通	222	360	185
HS300-420/940	420	35	175	175	175	175	175	—	30	940	12-φ 18 鑽通	362	500	198
HS300-420/1200	420	30	190	190	190	190	190	190	30	1200	14-φ 18 鑽通	622	760	210

5097# 油壓滑台 (300H)

Hydraulic Slide Units (300H)

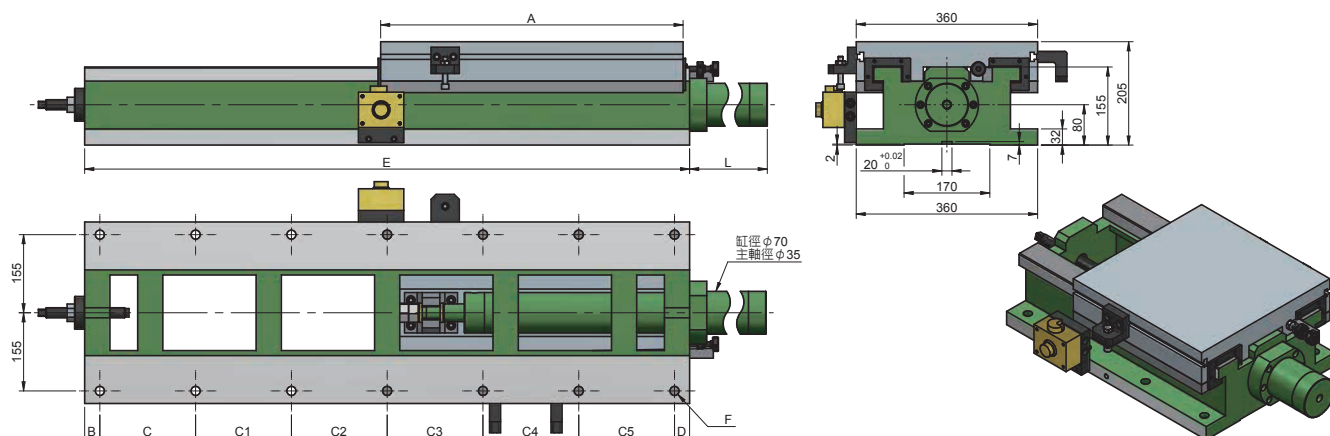


※可訂製滾珠螺桿伺服傳動 (BS系列)

單位 : mm

規格 Model	A	B	C	C1	C2	C3	C4	C5	D	E	F	L	行程 Travel	重量 Weight
HS300-300/420H	300	35	150	200	—	—	—	—	35	420	6-φ 18 鑽通	75	100	120
HS300-360/560H	360	35	165	165	165	—	—	—	30	560	8-φ 18 鑽通	75	180	140
HS300-420/560H	420	35	165	165	165	—	—	—	30	560	8-φ 18 鑽通	75	120	144
HS300-420/670H	420	35	140	140	140	180	—	—	35	670	10-φ 18 鑽通	75	230	178
HS300-420/800H	420	35	140	140	140	140	170	—	35	800	12-φ 18 鑽通	224	360	195
HS300-420/940H	420	35	175	175	175	175	175	—	30	940	12-φ 18 鑽通	368	500	210
HS300-420/1200H	420	30	190	190	190	190	190	190	30	1200	14-φ 18 鑽通	628	760	246

5097# 油壓滑台 (360) Hydraulic Slide Units (360)

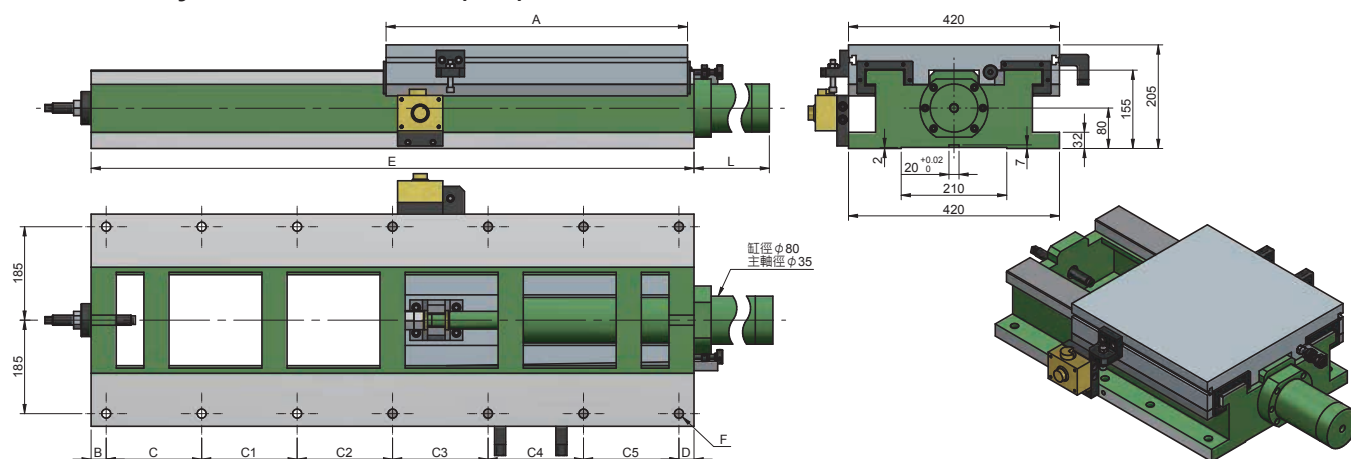


※可訂製滾珠螺桿伺服傳動 (BS系列)

單位 : mm

規格 Model	A	B	C	C1	C2	C3	C4	C5	D	E	F	L	行程 Travel	重量 Weight
HS360-360/560	360	35	165	165	165	—	—	—	30	560	8-φ 18 鑽通	138	180	167
HS360-420/560	420	35	165	165	165	—	—	—	30	560	8-φ 18 鑽通	75	120	171
HS360-420/670	420	35	140	140	140	180	—	—	35	670	10-φ 18 鑽通	128	230	192
HS360-420/800	420	35	140	140	140	140	170	—	35	800	12-φ 18 鑽通	258	360	207
HS360-520/800	520	35	140	140	140	140	170	—	35	800	12-φ 18 鑽通	75	260	212
HS360-520/940	520	35	175	175	175	175	175	—	30	940	12-φ 18 鑽通	198	400	227
HS360-600/1200	600	30	190	190	190	190	190	190	30	1200	14-φ 18 鑽通	298	580	273

5097# 油壓滑台 (420) Hydraulic Slide Units (420)

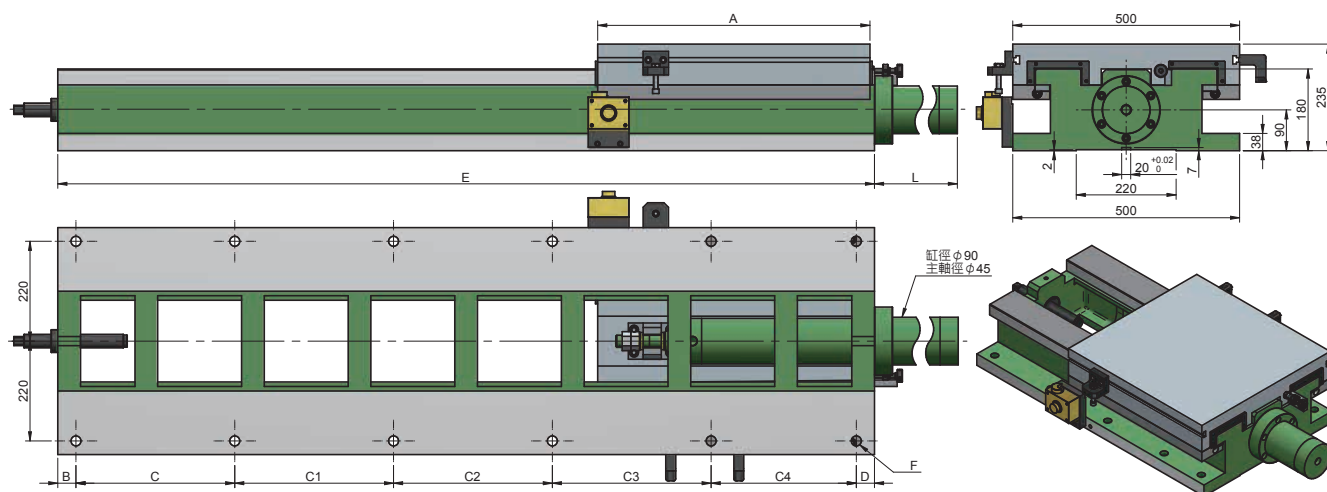


※可訂製滾珠螺桿伺服傳動 (BS系列)

單位 : mm

規格 Model	A	B	C	C1	C2	C3	C4	C5	D	E	F	L	行程 Travel	重量 Weight
HS420-420/560	420	35	165	165	165	—	—	—	30	560	8-φ 18 鑽通	80	120	221
HS420-420/670	420	35	140	140	140	180	—	—	35	670	10-φ 18 鑽通	195	230	230
HS420-520/940	520	35	175	175	175	175	175	—	30	940	12-φ 18 鑽通	265	400	292
HS420-600/1200	600	30	190	190	190	190	190	190	30	1200	14-φ 18 鑽通	365	580	323

5097# 油壓滑台 (500) Hydraulic Slide Units (500)

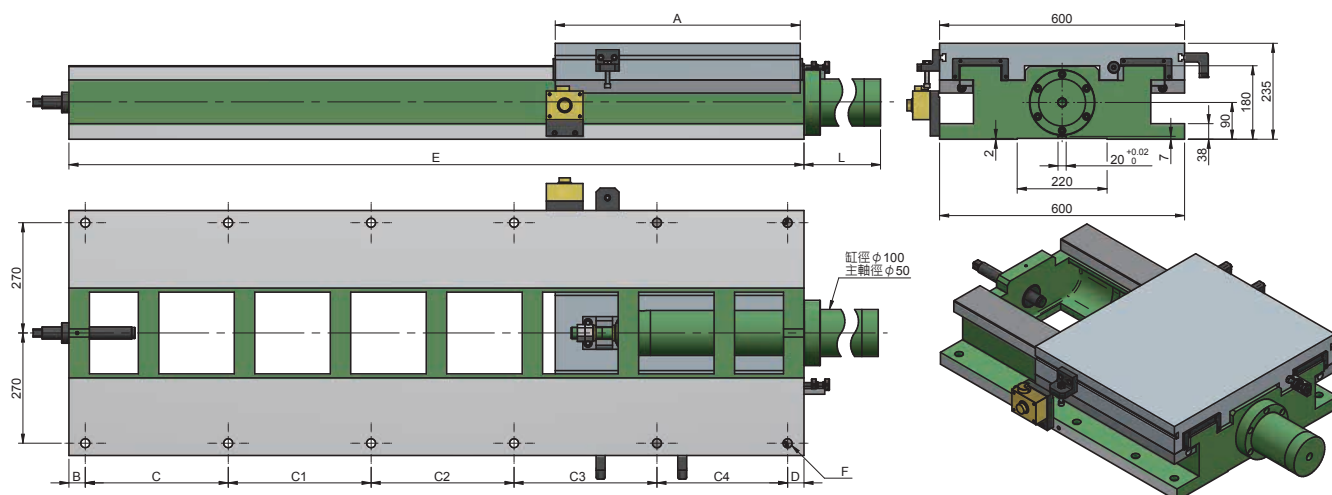


※可訂製滾珠螺桿伺服傳動 (BS系列)

單位 : mm

規格 Model	A	B	C	C1	C2	C3	C4	D	E	F	L	行程 Travel	重量 Weight
HS500-520/885	520	40	220	220	220	145	—	40	885	10-φ22 鑽通	194	345	422
HS500-600/1200	600	40	220	220	220	220	240	40	1200	12-φ22 鑽通	349	580	515
HS500-600/1800	600	40	350	350	350	350	320	40	1800	12-φ22 鑽通	944	1180	655

5097# 油壓滑台 (600) Hydraulic Slide Units (600)



※可訂製滾珠螺桿伺服傳動 (BS系列)

單位 : mm

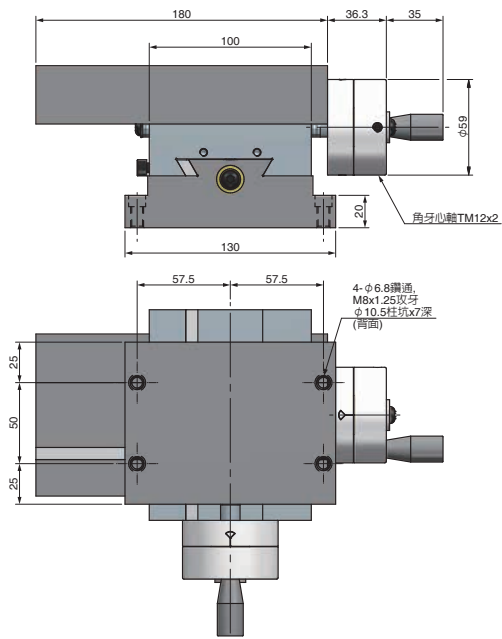
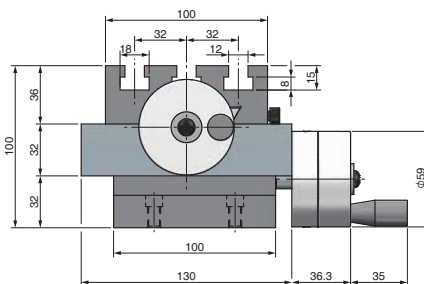
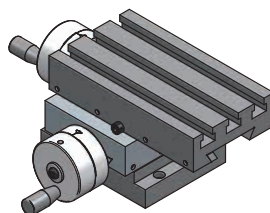
規格 Model	A	B	C	C1	C2	C3	C4	D	E	F	L	行程 Travel	重量 Weight
HS600-520/885	520	40	220	220	220	145	—	40	885	10-φ22 鑽通	195	345	455
HS600-600/1200	600	40	220	220	220	220	240	40	1200	12-φ22 鑽通	364	580	542
HS600-600/1800	600	40	350	350	350	350	320	40	1800	12-φ22 鑽通	964	1180	720

5098# 精密十字工作台 (100) Cross Sliding Table (100)

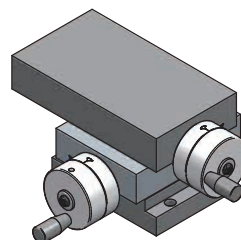
※其他規格可接受訂製

單位：mm

規格 Model	上蓋尺寸	下座尺寸	上蓋行程	角牙心軸	下座行程	刻環	重量
CST-100	100×180	130×100	80	TM12×2	50	2.0×0.01	13.5 kg



右手有T溝



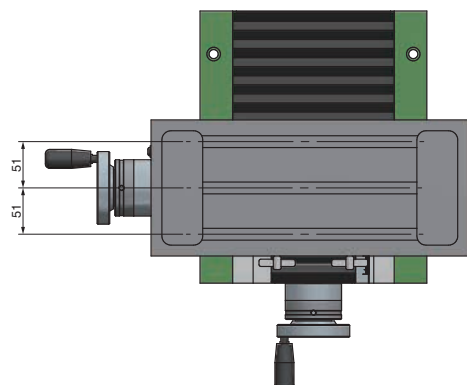
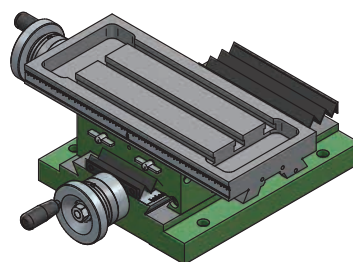
左手無T溝

5098# 精密十字工作台 (150) Cross Sliding Table (150)

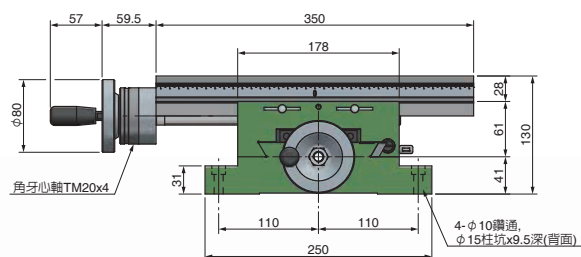
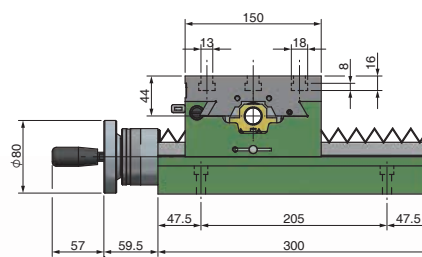
※其他規格可接受訂製

單位：mm

規格 Model	上蓋尺寸	下座尺寸	上蓋行程	角牙心軸	下座行程	刻環	重量
CST-150	150×350	250×300	170	TM20×4	120	4.0×0.02	37.5 kg



右手有T溝



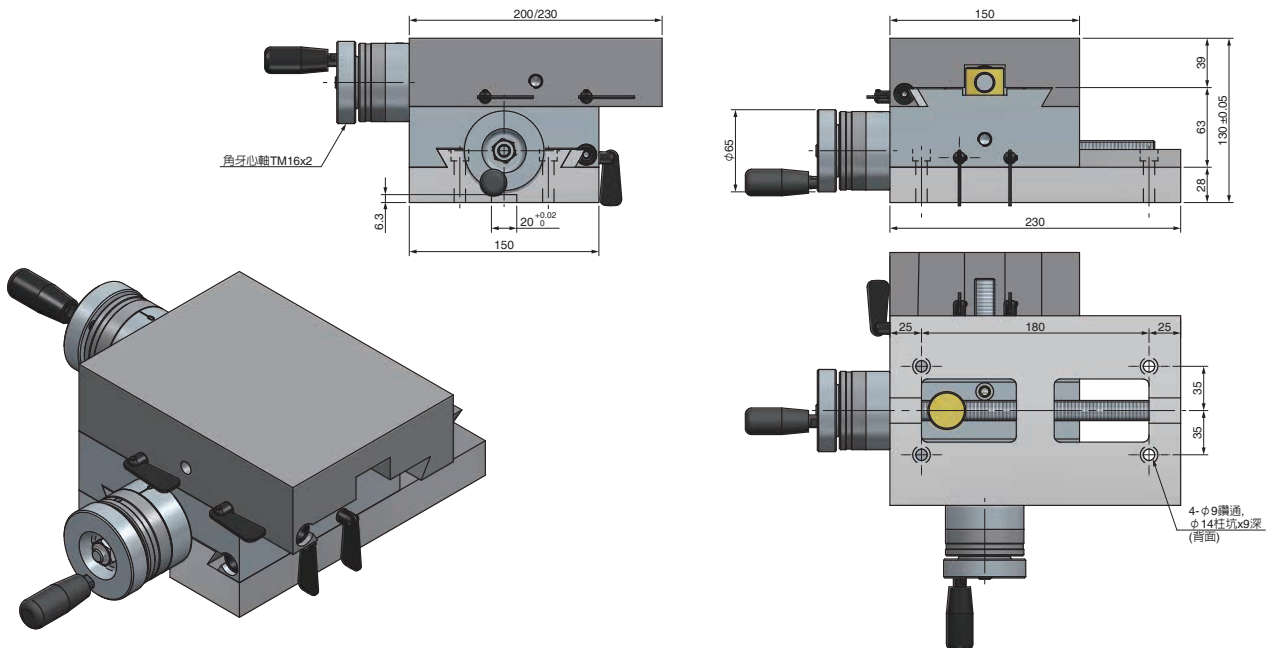
5099# 十字型工作台

Cross Sliding Table

鳩尾，角牙十字型滑座MODEL: 150-200-230型

單位：mm

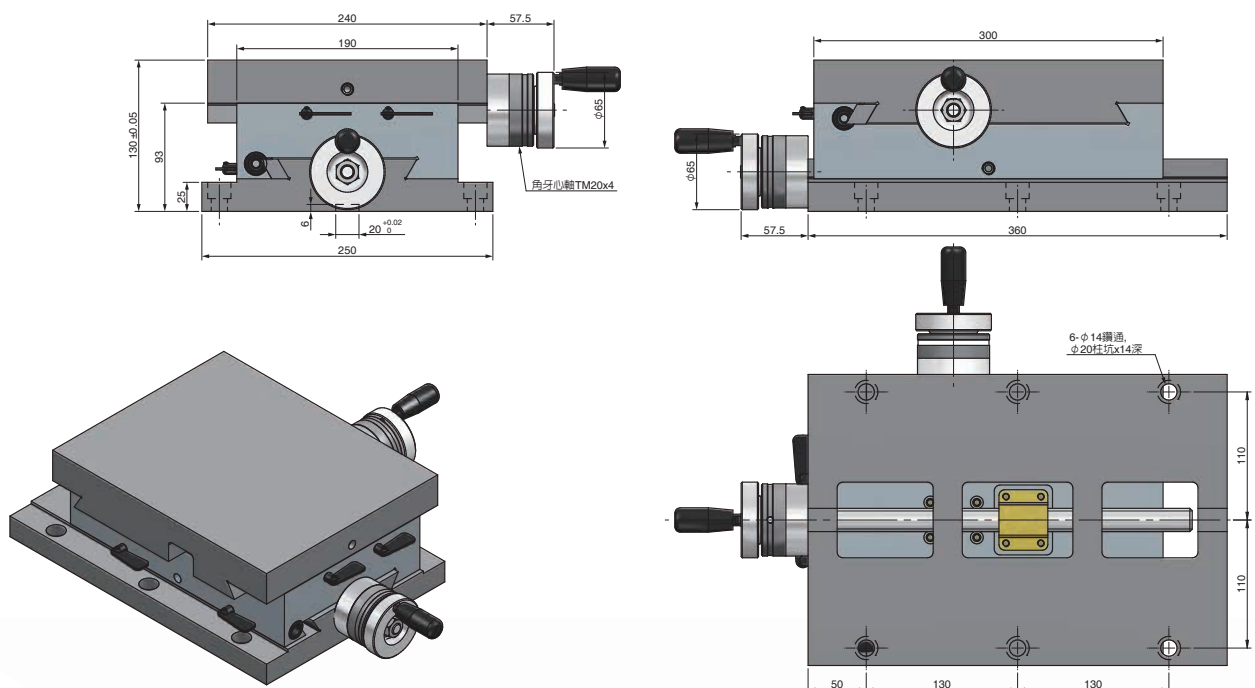
規格 Model	上蓋尺寸	下座尺寸	上蓋行程	角牙心軸	下座行程	刻環	重量
CST-150-200-230	150×200	150×230	50	TM16×2	80	2.0×0.01	26 kg
CST-150-230-230	150×230	150×230	80	TM16×2	80	2.0×0.01	28 kg



鳩尾，角牙十字型滑座MODEL: 3024型

單位：mm

規格 Model	上蓋尺寸	下座尺寸	上蓋行程	角牙心軸	下座行程	刻環	重量
CST-3024	300×240	250×360	50	TM20×4	60	4.0×0.02	53 kg

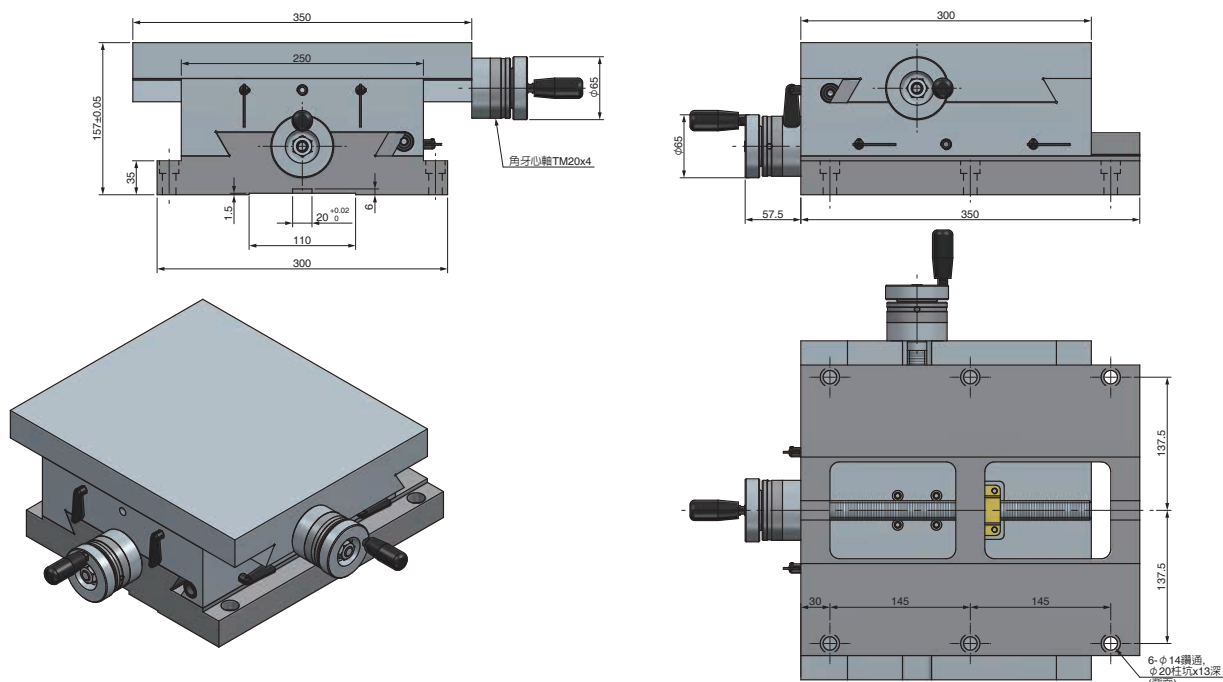


5099# 十字型工作台 Cross Sliding Table

鳩尾，角牙十字型滑座MODEL: 3035型

單位：mm

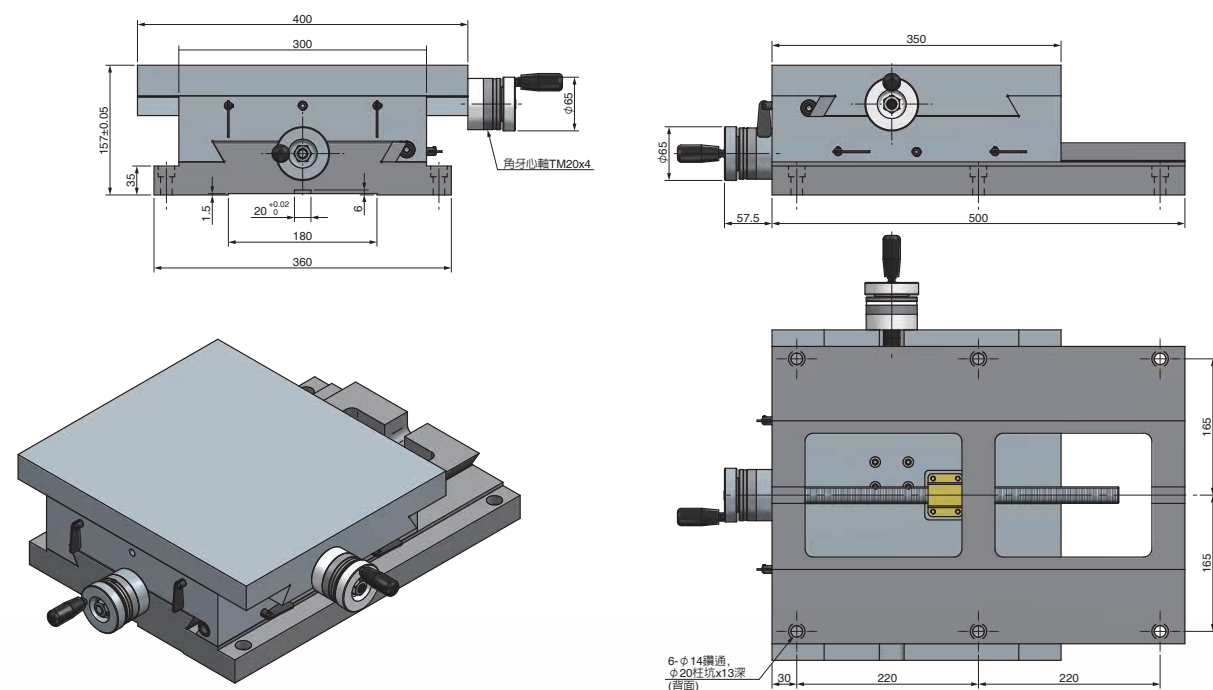
規格 Model	上蓋尺寸	下座尺寸	上蓋行程	角牙心軸	下座行程	刻環	重量
CST-3035	300×350	300×350	100	TM20×4	50	4.0×0.02	78 kg



鳩尾，角牙十字型滑座MODEL: 3650型

單位：mm

規格 Model	上蓋尺寸	下座尺寸	上蓋行程	角牙心軸	下座行程	刻環	重量
CST-3650	350×400	360×500	100	TM20×4	150	4.0×0.02	115 kg

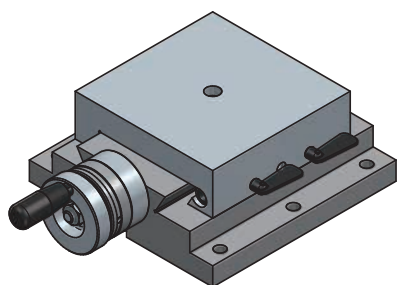
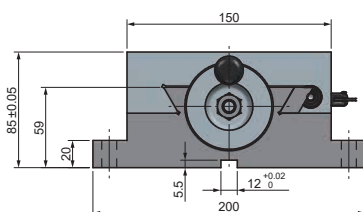
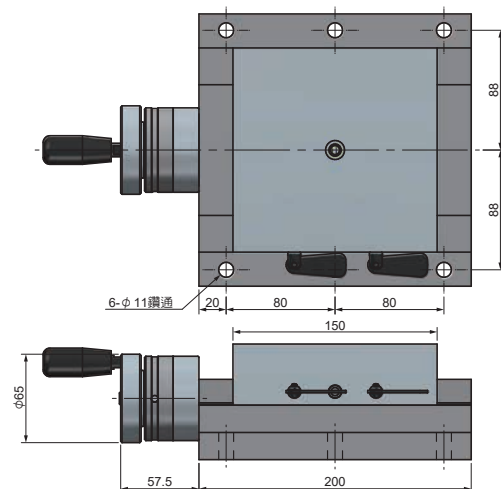


5100# 單向角牙滑座

Lead Screw Slide

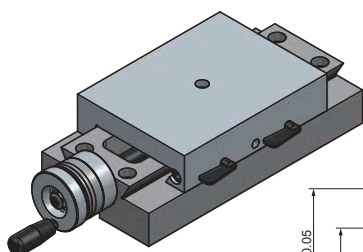
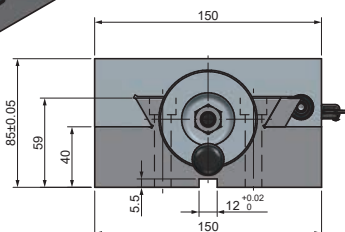
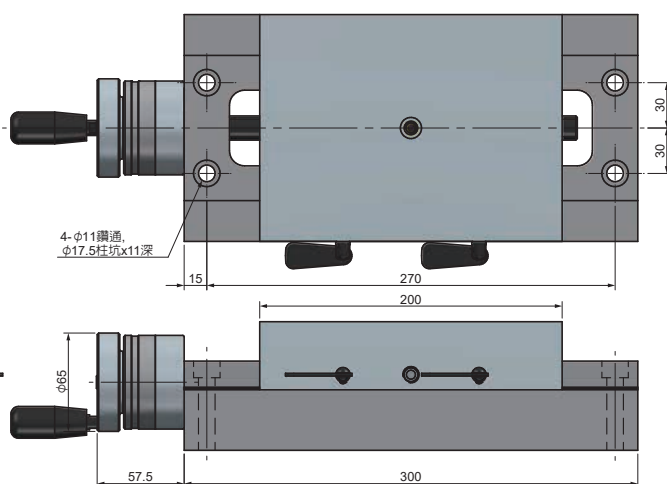
鳩尾，角牙滑座MODEL: $\frac{150 \times 150}{200 \times 200}$ 單位：mm

規格 Model	上蓋尺寸	下座尺寸	角牙心軸	行程	刻環	重量
STD-2020	150×150	200×200	TM16×2	50	2.0×0.01	26 kg



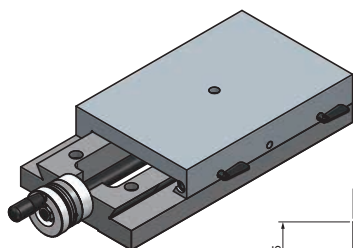
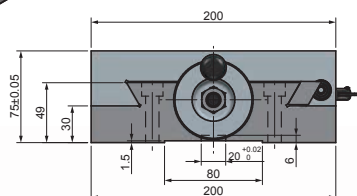
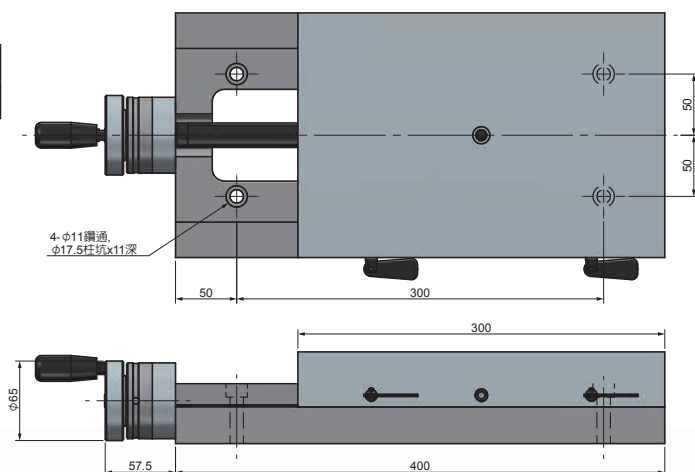
鳩尾，角牙滑座MODEL: $\frac{150 \times 200}{150 \times 300}$ 單位：mm

規格 Model	上蓋尺寸	下座尺寸	角牙心軸	行程	刻環	重量
STD-1530	150×200	150×300	TM16×2	100	2.0×0.01	20 kg



鳩尾，角牙滑座MODEL: $\frac{200 \times 300}{200 \times 400}$ 單位：mm

規格 Model	上蓋尺寸	下座尺寸	角牙心軸	行程	刻環	重量
STD-2040	200×300	200×400	TM20×4	100	4.0×0.02	35 kg

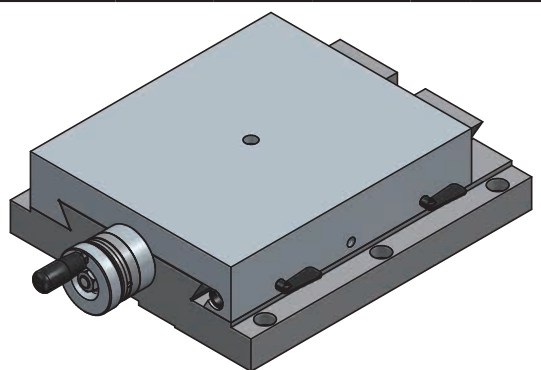
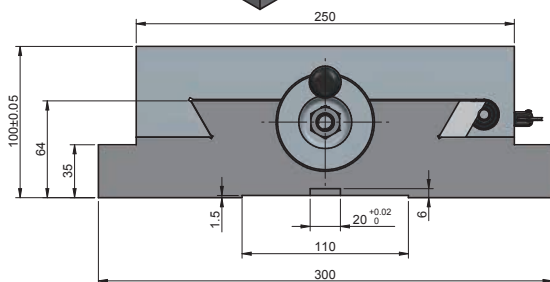
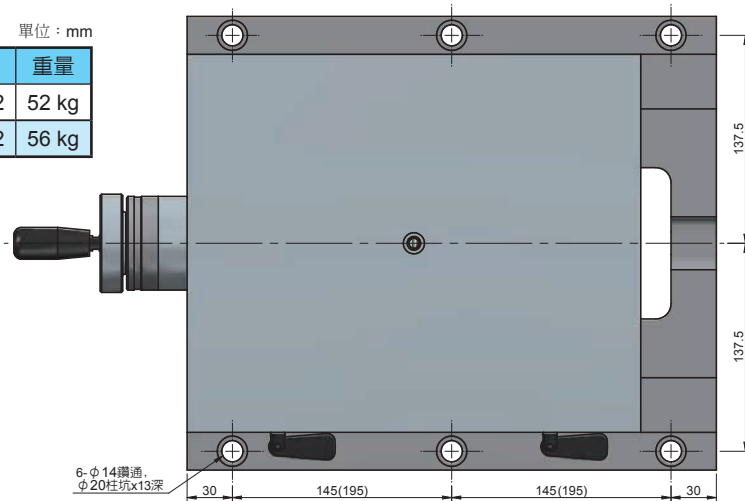
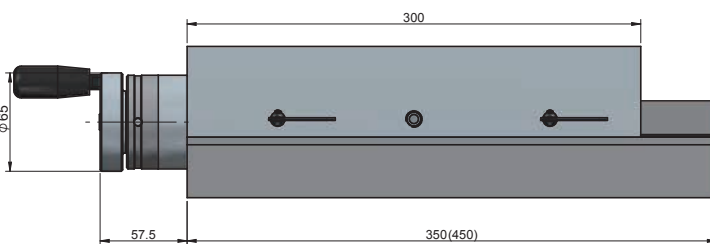


5100# 單向角牙滑座 Lead Screw Slide

鳩尾，角牙滑座MODEL: $\frac{250 \times 300}{300 \times 350}$ $\frac{250 \times 300}{300 \times 450}$

單位：mm

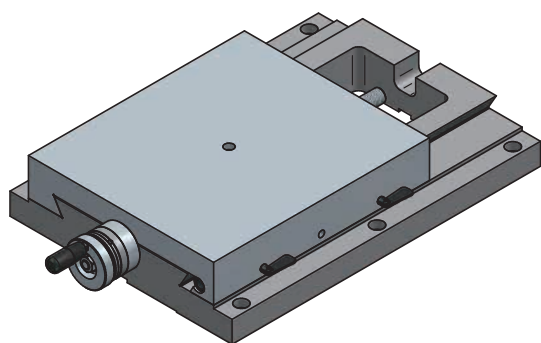
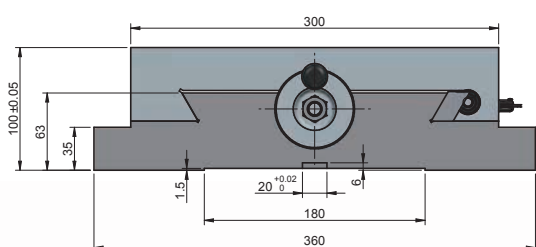
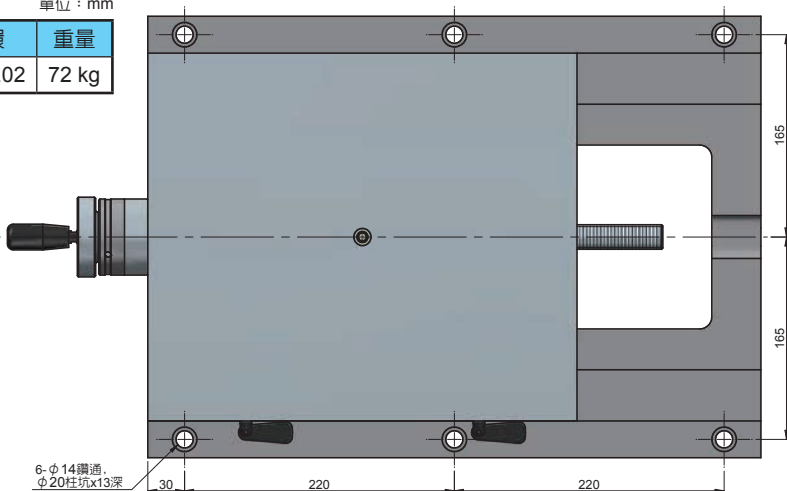
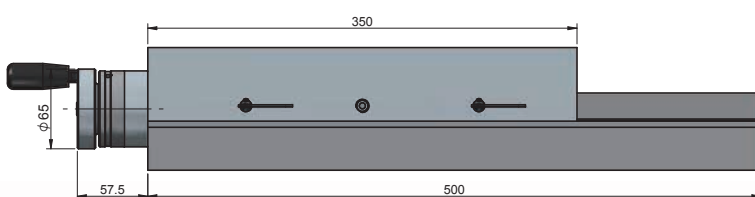
規格 Model	上蓋尺寸	下座尺寸	角牙心軸	行程	刻環	重量
STD-3035	250×300	300×350	TM20×4	50	4.0×0.02	52 kg
STD-3045	250×300	300×450	TM20×4	150	4.0×0.02	56 kg



鳩尾，角牙滑座MODEL: $\frac{300 \times 350}{360 \times 500}$

單位：mm

規格 Model	上蓋尺寸	下座尺寸	角牙心軸	行程	刻環	重量
STD-3650	300×350	360×500	TM20×4	150	4.0×0.02	72 kg



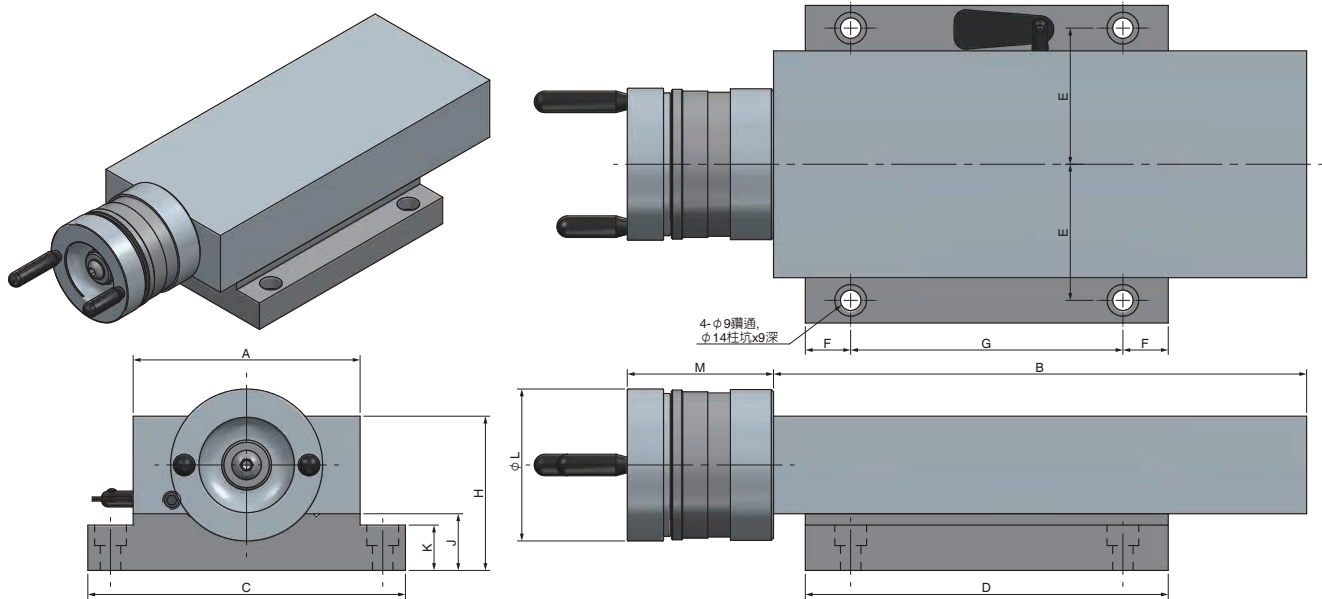
5100# 單向角牙滑座 Lead Screw Slide

ST-75

ST-100

單位：mm

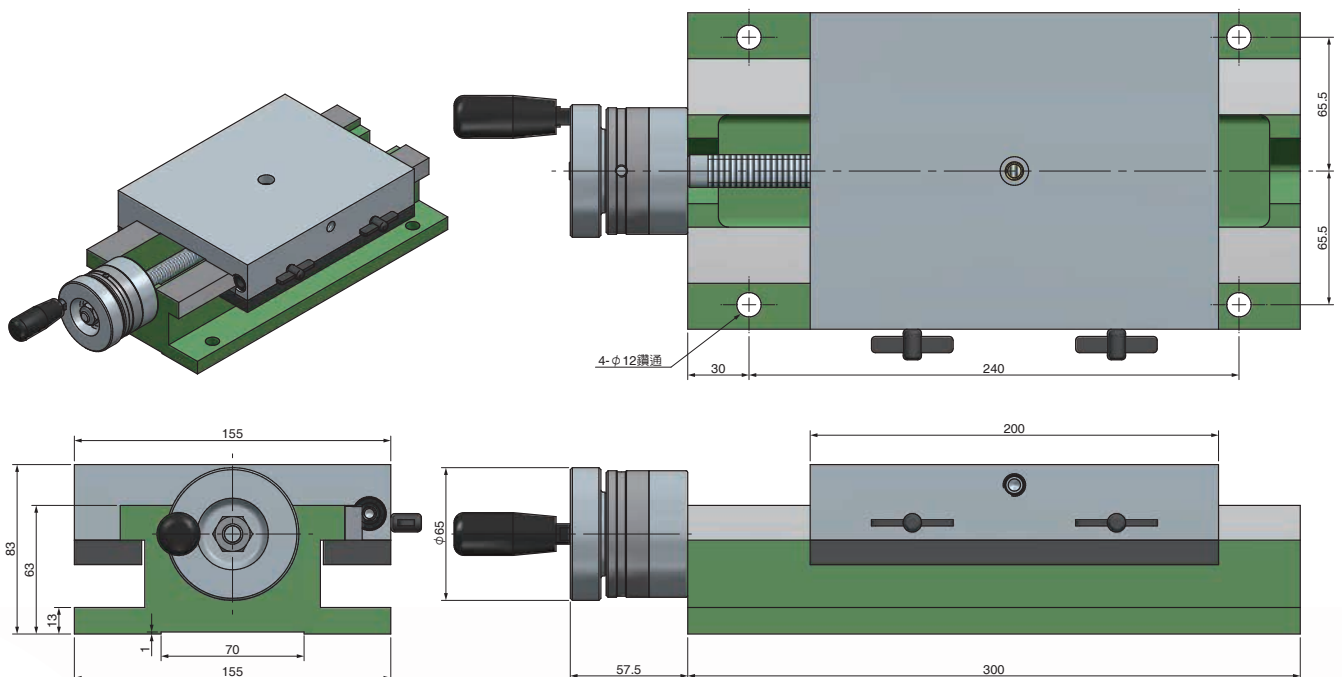
規格 Model	上蓋A×B	下座C×D	角牙心軸	行程	E	F	G	H	J	K	L	M	刻環	重量
ST-75	75×180	105×155	TM12×2	75	45	32.5	90	60	20	15	φ59	62.5	2.0×0.02	6.5 kg
ST-100	100×235	140×160	TM12×2	100	60	20	120	68	25	20	φ67	64.5	2.0×0.02	9.5 kg



ST-1530

單位：mm

規格 Model	上蓋尺寸	下座尺寸	角牙心軸	行程	刻環	重量
ST-1530	155×200	155×300	TM16×2	100	2.0×0.02	16 kg



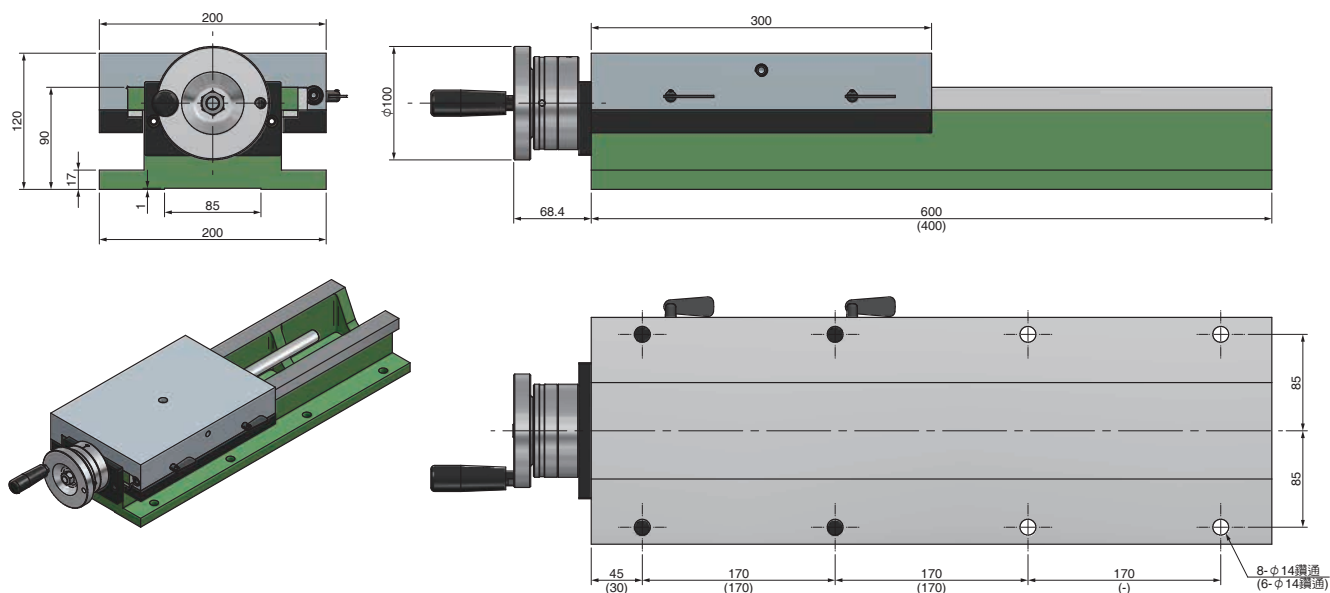
5100# 單向角牙滑座 Lead Screw Slide

ST-2040

ST-2060

單位：mm

規格 Model	上蓋尺寸	下座尺寸	角牙心軸	行程	刻環	重量
ST-2040	200×300	200×400	TM20×4	100	4.0×0.02	36 kg
ST-2060	200×300	200×600	TM20×4	300	4.0×0.02	47 kg

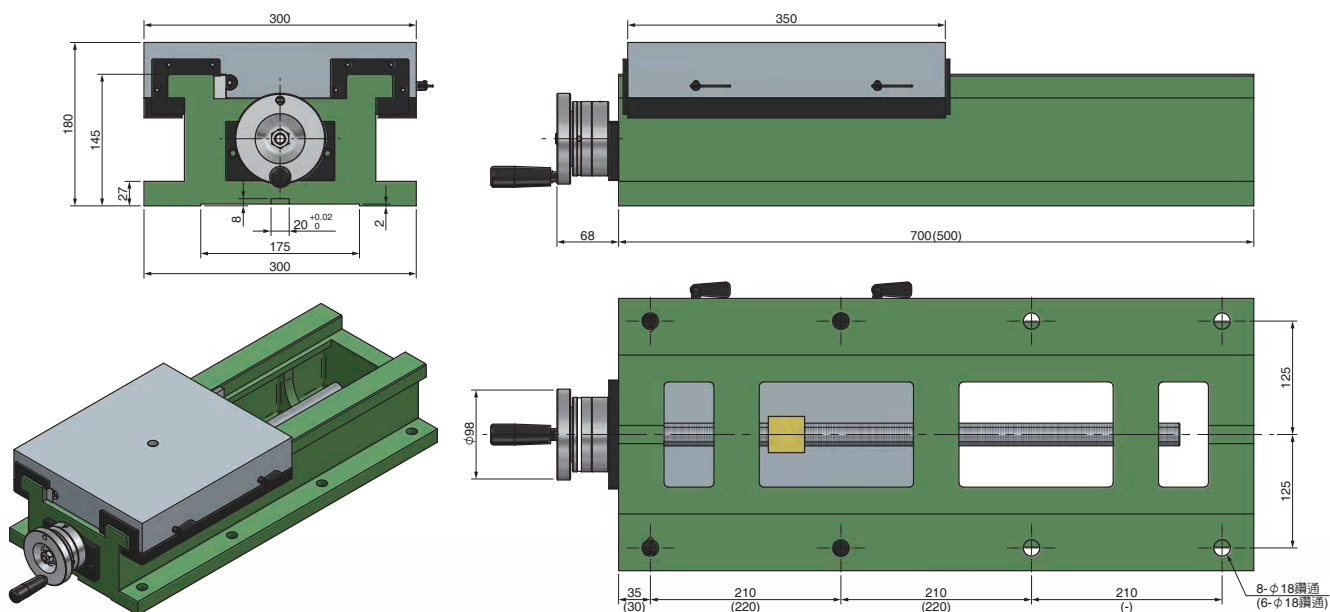


ST-3050

ST-3070

單位：mm

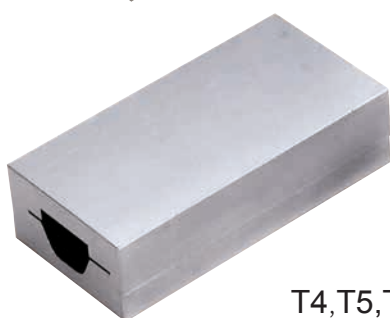
規格 Model	上蓋尺寸	下座尺寸	角牙心軸	行程	刻環	重量
ST-3050	300×350	300×500	TM25×4	150	4.0×0.02	93 kg
ST-3070	300×350	300×700	TM25×4	350	4.0×0.02	115 kg



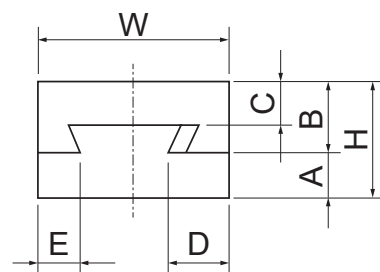
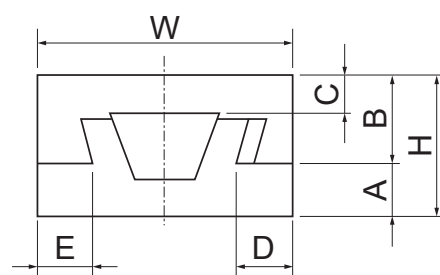
5101# 鳩尾型滑台 Dovetail Slide



T2,T3



T4,T5,T6,T8,T10,T12



單位：mm

規格 Model	W	L	H	A	B	C	D	E
T-204	50	100	40	25	15	16	17	12
T-208	50	200	40	25	15	16	17	12
T-212	50	300	40	25	15	16	17	12
T-216	50	400	40	25	15	16	17	12
T-220	50	500	40	25	15	16	17	12
T-306	75	150	45	28	17	17	24	17
T-312	75	300	45	28	17	17	24	17
T-318	75	450	45	28	17	17	24	17
T-324	75	600	45	28	17	17	24	17
T-408	100	200	55	35	20	15	22	22
T-416	100	400	55	35	20	15	22	22
T-424	100	600	55	35	20	15	22	22
T-512	125	300	60	40	20	18	29	29
T-524	125	600	60	40	20	18	29	29
T-612	150	300	65	40	25	20	31	31
T-624	150	600	65	40	25	20	31	31
T-816	200	400	90	60	30	27	40.4	34.5
T-832	200	800	90	60	30	27	40.4	34.5
T-1020	250	500	95	60	35	27	40	34
T-1030	250	750	95	60	35	27	40	34
T-1040	250	1000	95	60	35	27	40	34
T-1060	250	1500	95	60	35	27	40	34
T-1220	300	500	95	60	35	27	40	34
T-1230	300	750	95	60	35	27	40	34
T-1240	300	1000	95	60	35	27	40	34
T-1260	300	1500	95	60	35	27	40	34

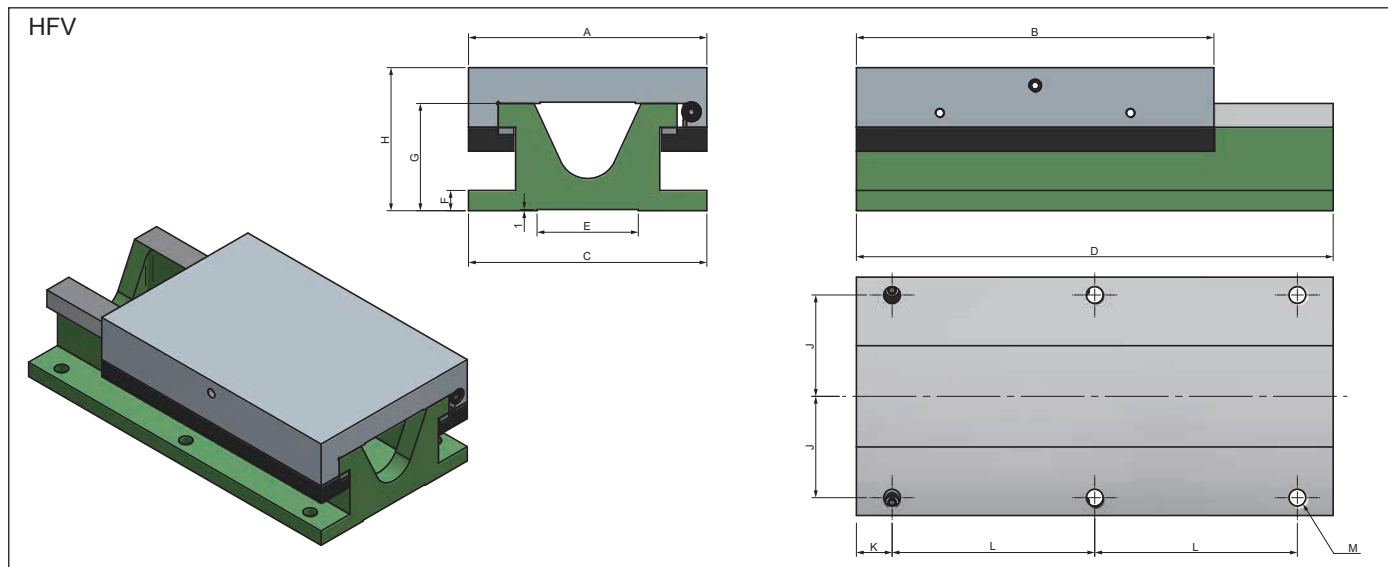
5102# 強力滑台 Powerful Slide

單位：mm

規格 Model	上蓋 A × B	下座 C × D	E	F	G	H	J	K	L	M	重量 Kg Weight
HFV-1530	155×200	155×300	70	13	63	83	65.5	30	240	4-φ12	15 kg
HFV-2040	200×300	200×400	85	17	90	120	85	30	170	6-φ14	35 kg
HFV-2060	200×300	200×600	85	17	90	120	85	45	170	8-φ14	46 kg
HFV-2080	200×300	200×800	85	17	90	120	85	40	180	10-φ14	56 kg

※1.滑動面均經熱處理

2.可加裝角牙裝置

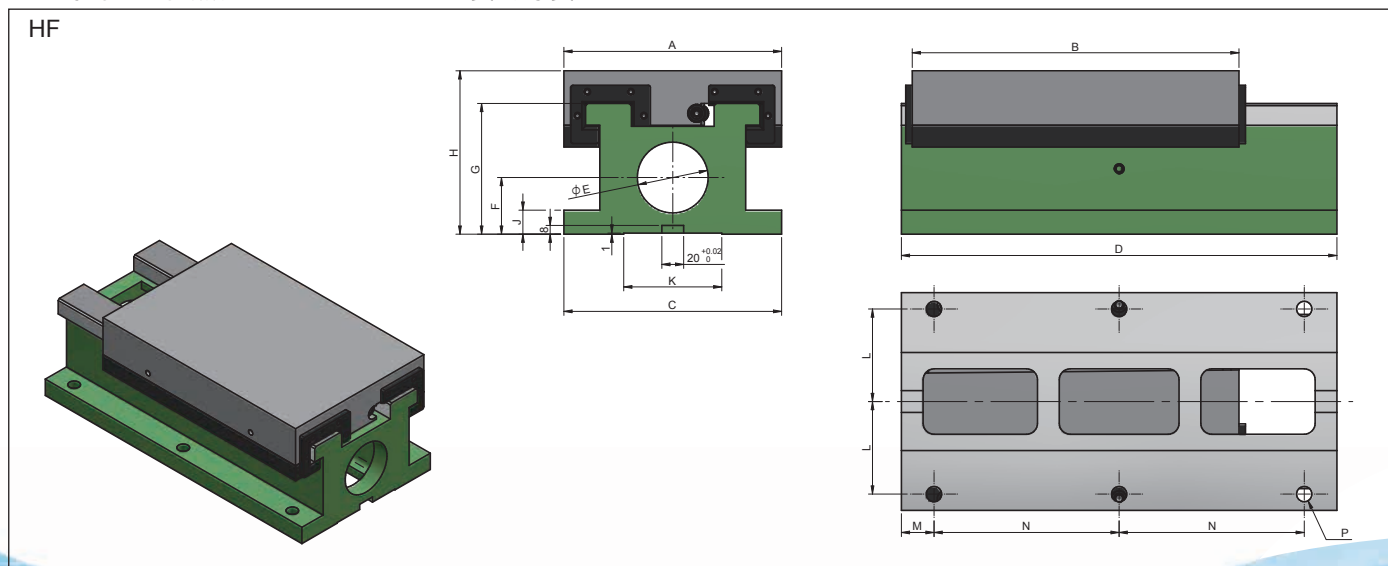


單位：mm

規格 Model	上蓋 A × B	下座 C × D	E	F	G	H	J	K	L	M	N	P	重量 Kg Weight
HF-2040	200×300	200×400	65	52	120	150	22	90	85	30	170	6-φ14	45 kg
HF-2060	200×300	200×600	65	52	120	150	22	90	85	30	180	8-φ14	58 kg
HF-3050	300×350	300×500	75	63	145	180	27	175	125	30	220	6-φ18	92 kg
HF-3070	300×350	300×700	75	63	145	180	27	175	125	35	210	8-φ18	114 kg

※1.滑動面均經熱處理

2.可加裝角牙裝置



5103# 十字型油壓角牙滑座

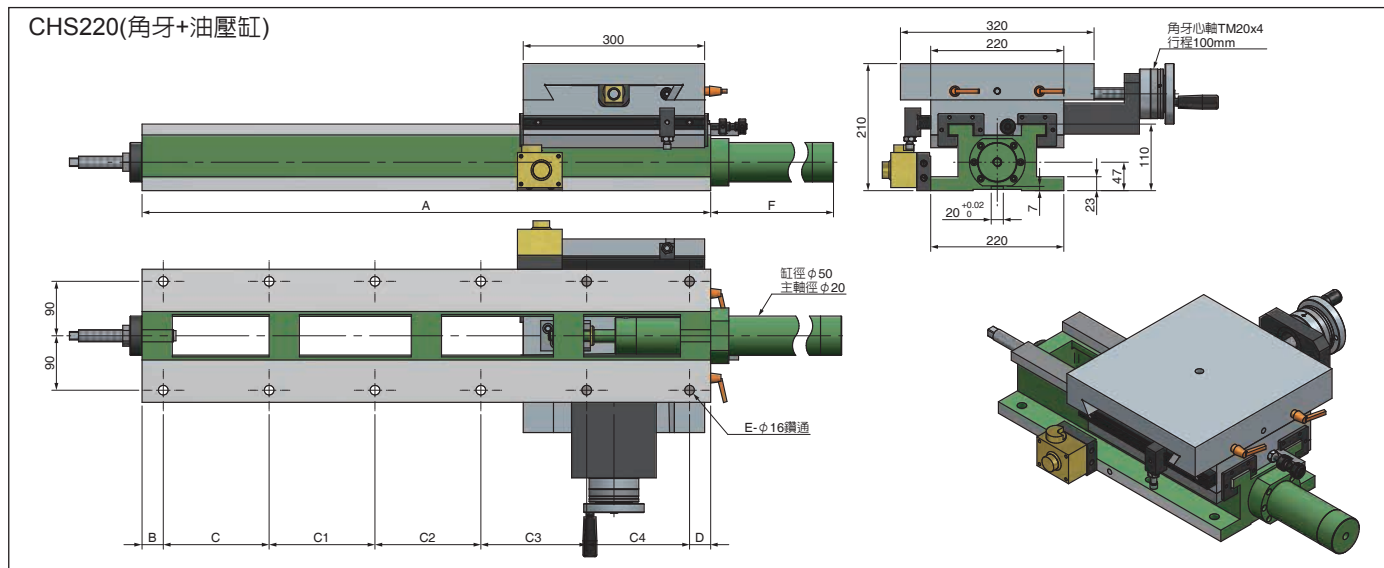
Cross Table with Hydraulic & Lead Screw

※可訂製滾珠螺桿伺服傳動(CBB系列)

單位：mm

規格 Model	A	B	C	C1	C2	C3	C4	D	E	F	X軸行程 Stroke	重量 Kg Weight
CHS220-300/420	420	35	150	200	--	--	--	35	6	65	100	108
CHS220-300/520	520	35	150	150	150	--	--	35	8	182	200	125
CHS220-300/670	670	35	140	140	140	180	--	35	10	332	350	137
CHS220-300/800	800	35	140	140	140	140	170	35	12	462	480	147
CHS220-300/940	940	35	175	175	175	175	170	35	12	602	620	157

CHS220(角牙+油壓缸)

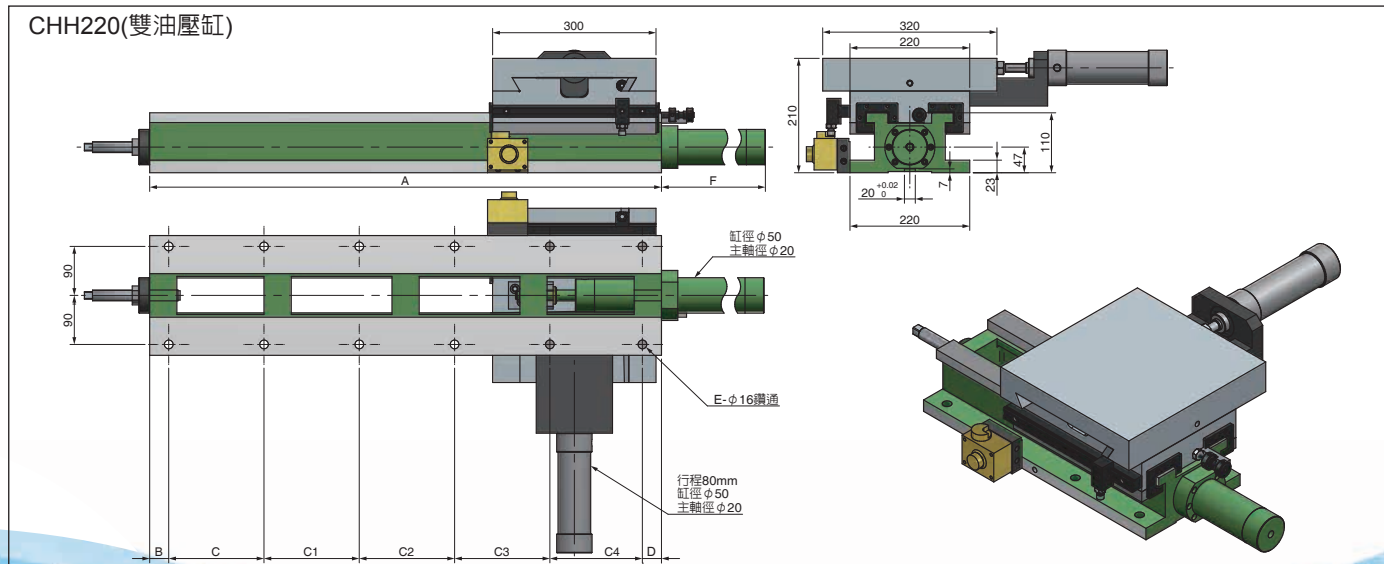


※可訂製滾珠螺桿伺服傳動(CBB系列)

單位：mm

規格 Model	A	B	C	C1	C2	C3	C4	D	E	F	X軸行程 Stroke	重量 Kg Weight
CHH220-300/420	420	35	150	200	--	--	--	35	6	65	100	110
CHH220-300/520	520	35	150	150	150	--	--	35	8	182	200	128
CHH220-300/670	670	35	140	140	140	180	--	35	10	332	350	140
CHH220-300/800	800	35	140	140	140	140	170	35	12	462	480	150
CHH220-300/940	940	35	175	175	175	175	170	35	12	602	620	160

CHH220(雙油壓缸)



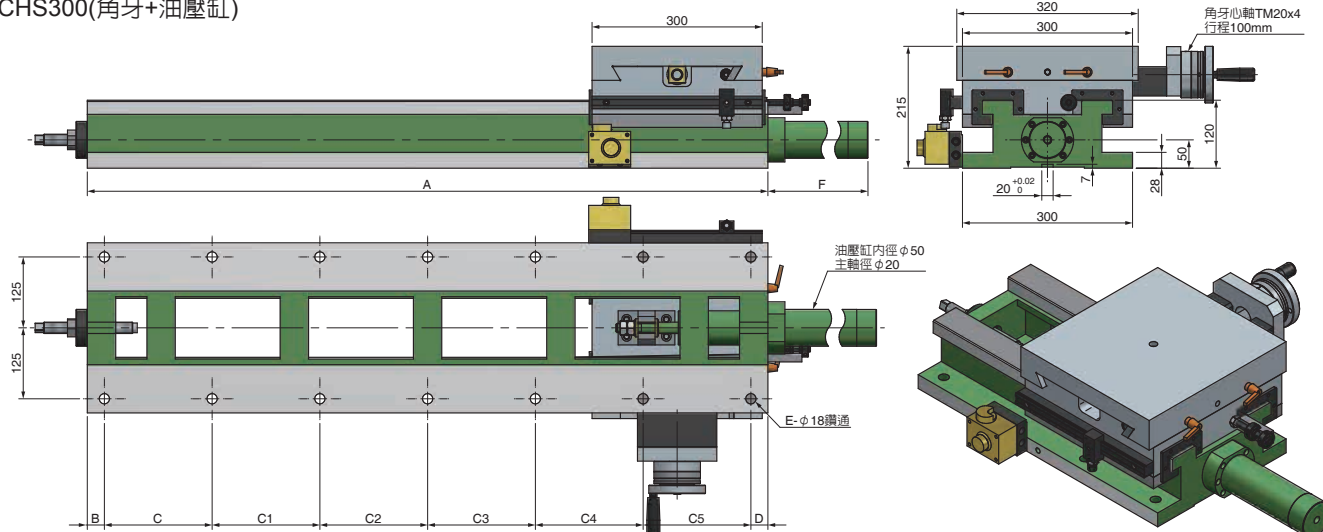
5103# 十字型油壓角牙滑座 Cross Table with Hydraulic & Lead Screw

※可訂製滾珠螺桿伺服傳動(CBB系列)

單位：mm

規格 Model	A	B	C	C1	C2	C3	C4	C5	D	E	F	X軸行程 Stroke	重量 Kg Weight
CHS300-300/420	420	35	150	200	--	--	--	--	35	6	65	100	160
CHS300-300/560	560	35	165	165	165	--	--	--	30	8	222	240	170
CHS300-300/670	670	35	140	140	140	180	--	--	35	10	332	350	190
CHS300-300/800	800	35	140	140	140	140	170	--	35	12	462	480	240
CHS300-300/940	940	35	175	175	175	175	175	--	30	12	602	620	257
CHS300-300/1200	1200	30	190	190	190	190	190	190	30	14	862	880	

CHS300(角牙+油壓缸)

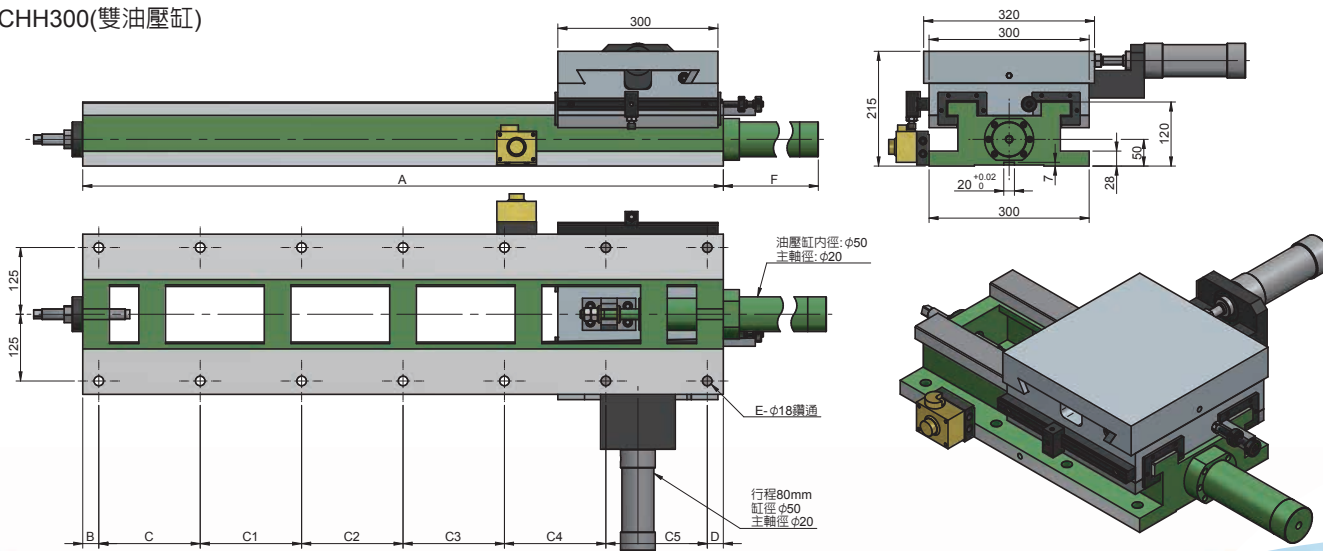


※可訂製滾珠螺桿伺服傳動(CBB系列)

單位：mm

規格 Model	A	B	C	C1	C2	C3	C4	C5	D	E	F	X軸行程 Stroke	重量 Kg Weight
CHH300-300/420	420	35	150	200	--	--	--	--	35	6	65	100	163
CHH300-300/560	560	35	165	165	165	--	--	--	30	8	222	240	173
CHH300-300/670	670	35	140	140	140	180	--	--	35	10	332	350	193
CHH300-300/800	800	35	140	140	140	140	170	--	35	12	462	480	243
CHH300-300/940	940	35	175	175	175	175	175	--	30	12	602	620	260
CHH300-300/1200	1200	30	190	190	190	190	190	190	30	14	862	880	

CHH300(雙油壓缸)



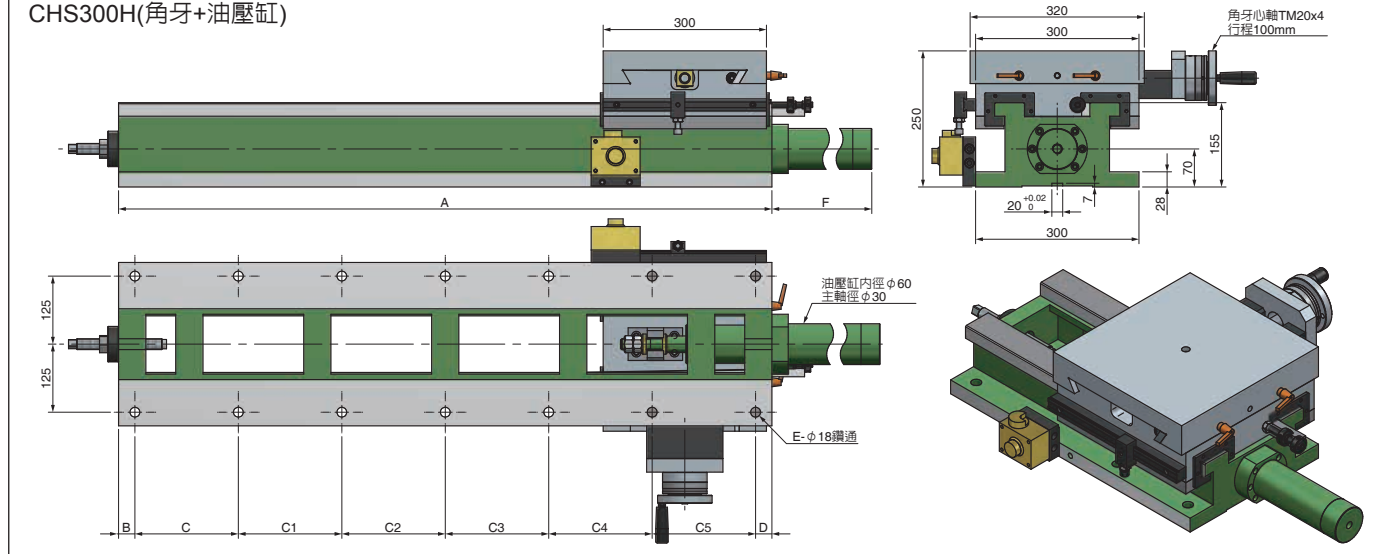
5103# 十字型油壓角牙滑座 Cross Table with Hydraulic & Lead Screw

※可訂製滾珠螺桿伺服傳動(CBB系列)

單位：mm

規格 Model	A	B	C	C1	C2	C3	C4	C5	D	E	F	X軸行程 Stroke	重量 Kg Weight
CHS300-300/420H	420	35	150	200	--	--	--	--	35	6	75	100	180
CHS300-300/560H	560	35	165	165	165	--	--	--	30	8	224	240	195
CHS300-300/670H	670	35	140	140	140	180	--	--	35	10	335	350	237
CHS300-300/800H	800	35	140	140	140	140	170	--	35	12	465	480	248
CHS300-300/940H	940	35	175	175	175	175	175	--	30	12	608	620	263
CHS300-300/1200H	1200	30	190	190	190	190	190	190	30	14	868	880	

CHS300H(角牙+油壓缸)

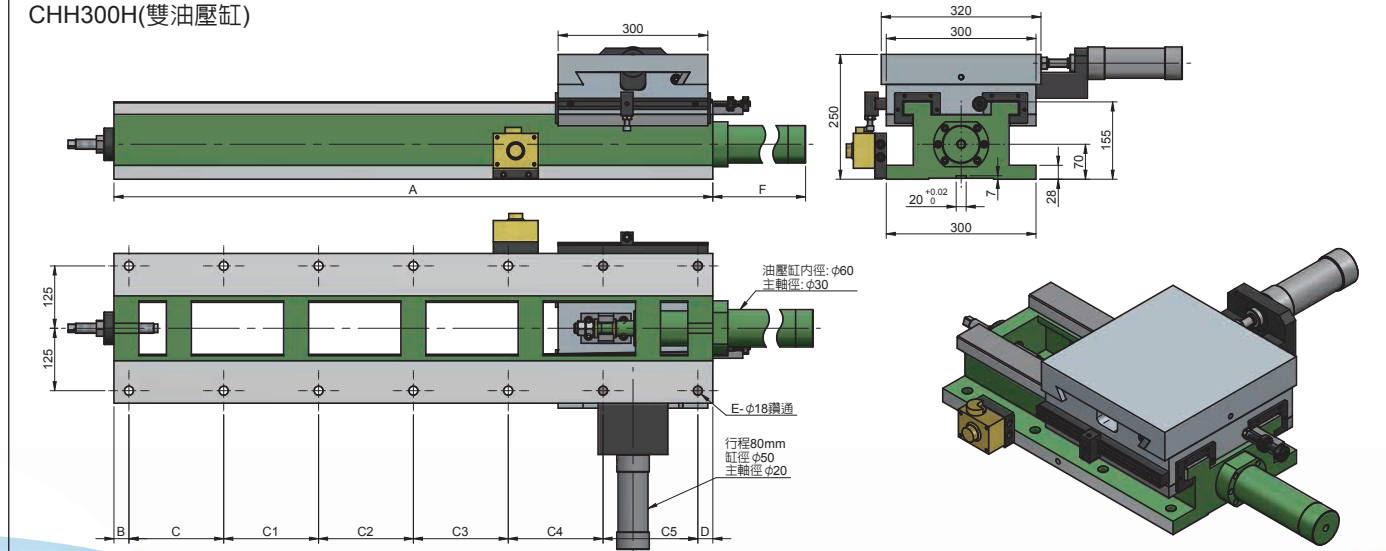


※可訂製滾珠螺桿伺服傳動(CBB系列)

單位：mm

規格 Model	A	B	C	C1	C2	C3	C4	C5	D	E	F	X軸行程 Stroke	重量 Kg Weight
CHH300-300/420H	420	35	150	200	--	--	--	--	35	6	75	100	183
CHH300-300/560H	560	35	165	165	165	--	--	--	30	8	224	240	198
CHH300-300/670H	670	35	140	140	140	180	--	--	35	10	335	350	240
CHH300-300/800H	800	35	140	140	140	140	170	--	35	12	465	480	251
CHH300-300/940H	940	35	175	175	175	175	175	--	30	12	608	620	266
CHH300-300/1200H	1200	30	190	190	190	190	190	190	30	14	868	880	

CHH300H(雙油壓缸)





HARDY

翰坤五金機械公司

<http://www.hardy-tw.com>

TEL : 886-4-24860602

FAX : 886-4-24860605

- ☐ RH 伺服滾珠滑座
☐ BS 伺服滾珠滑座
☐ LS 手輪角牙滑座
☐ HS 油壓油缸滑台

訂購明細表

公司名稱		聯絡人	
電話		傳真	
地址			

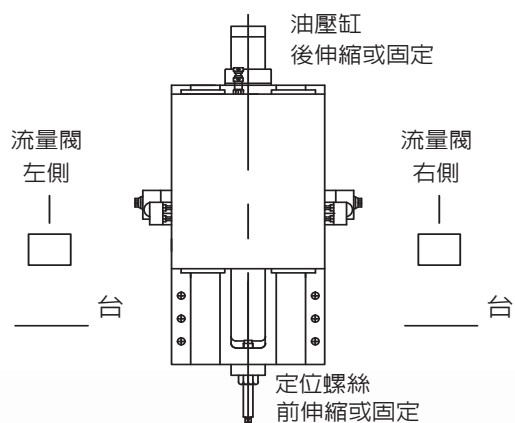
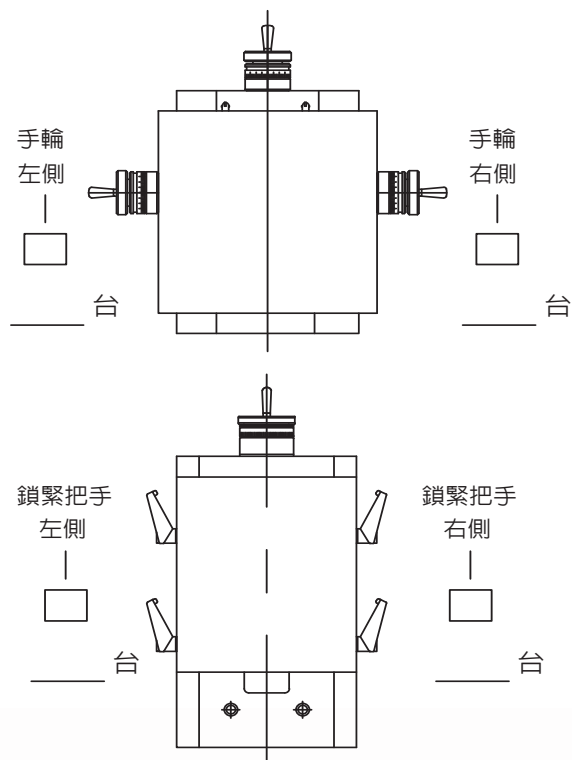
一、規格：

☐ RH滾珠 上座-W × L
☐ BS滾珠
☐ HS油壓
☐ LS角牙 下座-W × L

總高度 H 行程 L 數量

- 二、選擇配件：
- 1.伺服馬達： 品牌 KW： 型號：
- 2.伺服連結方式：聯軸器-☐ 時規皮帶-☐
- 3.潤滑方式：容積式油排-☐ 抵抗式油排-☐ 不配管-☐
- 4.油壓缸： 直徑 ϕ 行程 流量閥 ☐ 1/4" ☐ 3/8"
標準式定位桿-☐ 後拉式定位桿-☐ 後檔式定位桿-☐
- 5.使用方式：立式↓ ☐ 臥式←→ ☐ 側式 ☐ 斜式 ☐ ☐
- 6.滾珠螺桿： 直徑 ϕ 節距 P 等級 C 級 單螺帽-☐
雙螺帽-☐
- 7.角牙螺桿： 直徑 ϕ 牙距 P
- 8.前伸縮蓋-☐
- 9.後伸縮蓋-☐
- 10.前固定蓋-☐
- 11.後固定蓋-☐
- 12.其它：

三、交貨期：





HARDY

HANN KUEN MACHINERY&HARDWARE

<http://www.hardy-tw.com>

TEL : 886-4-24860602

FAX : 886-4-24860605

- ☐ RH Servo with Ball Screws Slide
☐ BS Servo with Ball Screws Slide
☐ LS Lead Screw Slide
☐ HS Hydraulic Slide Unit

Order Form

Company		Contact With	
Tel		Fax	
Address			

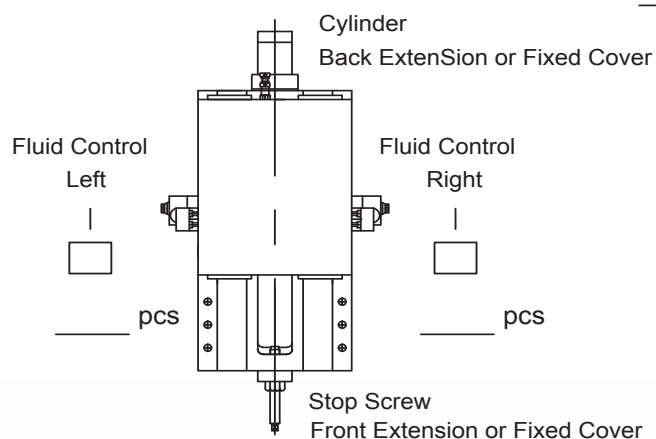
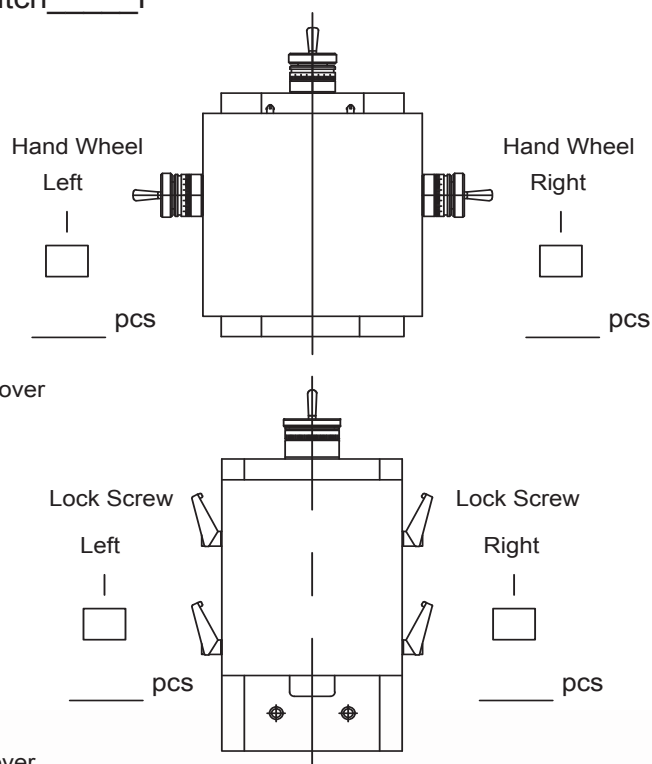
I 、 Model :

☐ RH Ball Screw Up Plate-W × L Height H Travel L Quantity
☐ BS Ball Screw
☐ HS Hydraulic Cylinder
☐ LS Lead Screw Base-W × L _____

II 、 Accessories :

- Servo Motor : Brand _____ KW : _____ Type : _____
- Motor Connect Way : ☐ Timing Sprocket ☐ Coupling
- Lubrication : ☐ Piston type ☐ Resistance Type ☐ Not Required
- Cylinder : Diameter _____ ϕ Travel _____ Fluid Control ☐ 1/4" ☐ 3/8"
☐ Standard Type Stop Rod ☐ Back Drawing Type Stop Rod
☐ Back Type Stop Rod
- Direction : Vertical $\downarrow$ _____ Horizontal $\longleftrightarrow$ _____ Side _____ Oblique ☐ ☐ _____
- Ball Screw : Diameter _____ ϕ Pitch _____ P Grade C _____ Single Nut ☐
Double Nut ☐
- Lead Screw : Diameter _____ ϕ Pitch _____ P
- ☐ Front Extension Cover
- ☐ Back Extension Cover
- ☐ Front Fixed Cover
- ☐ Back Fixed Cover
- Others : _____

III 、 Delivery Date : _____



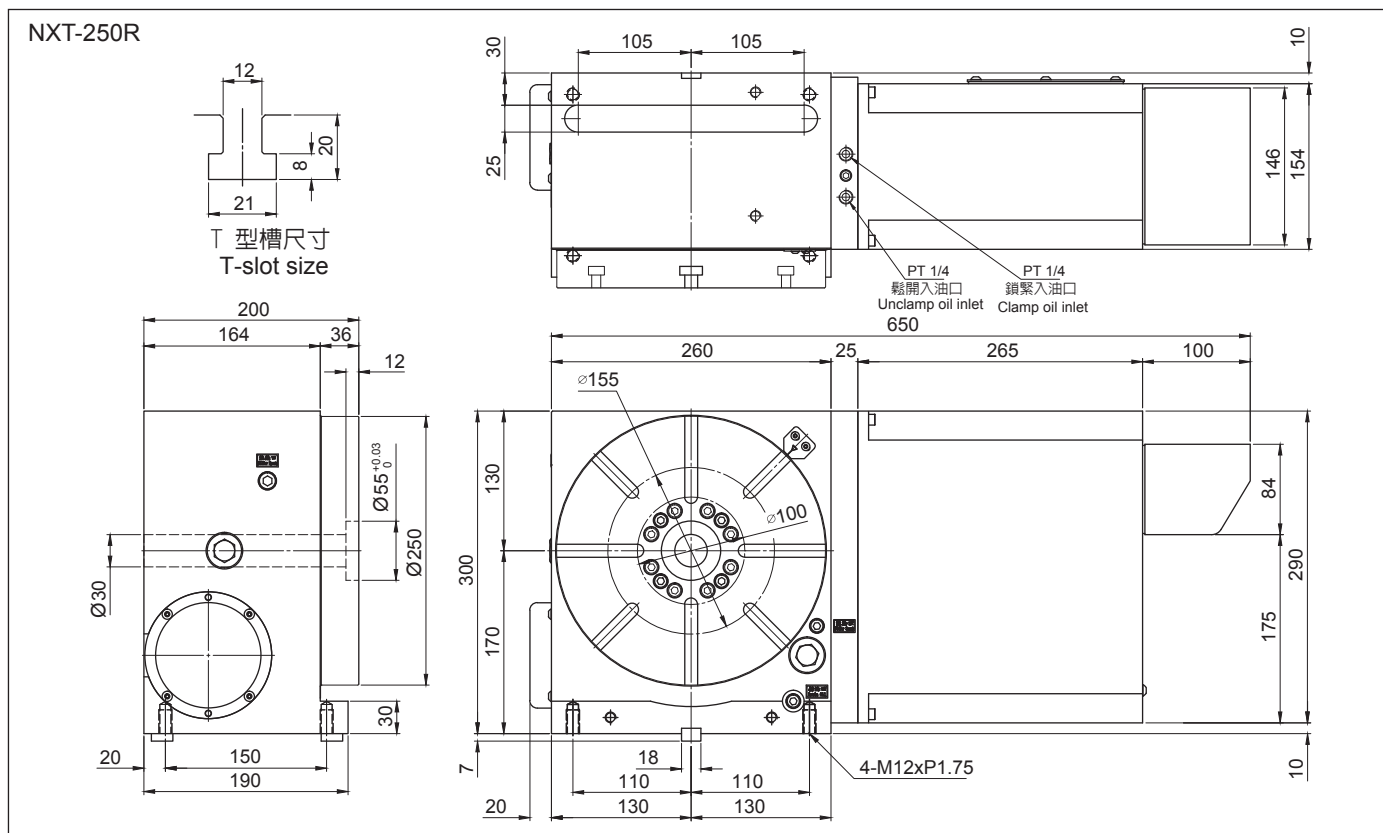
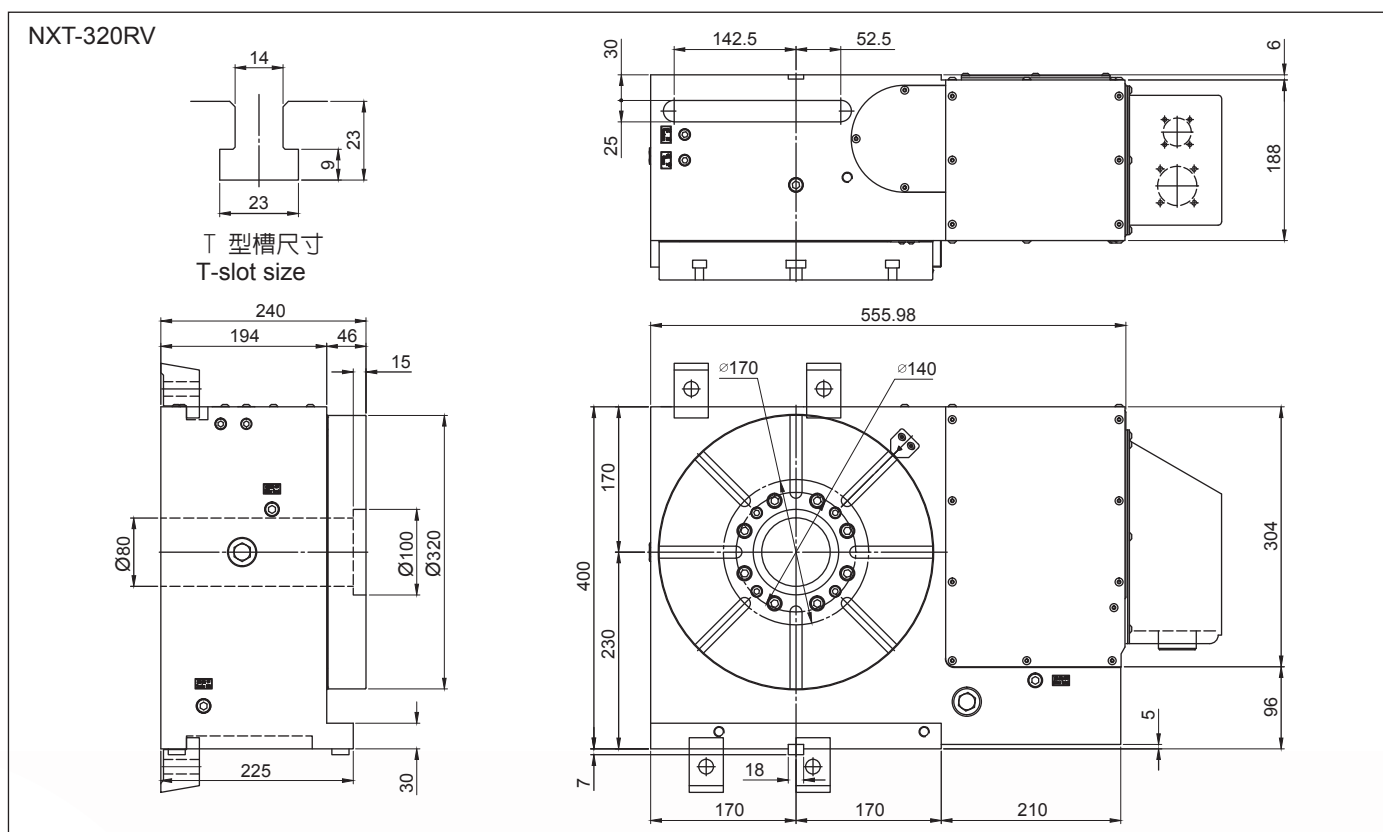
5104# 電腦數控齒式分割盤-立臥兩用型 CNC Hydraulic Coupling Gear Indexer-Vertical & Horizontal Type



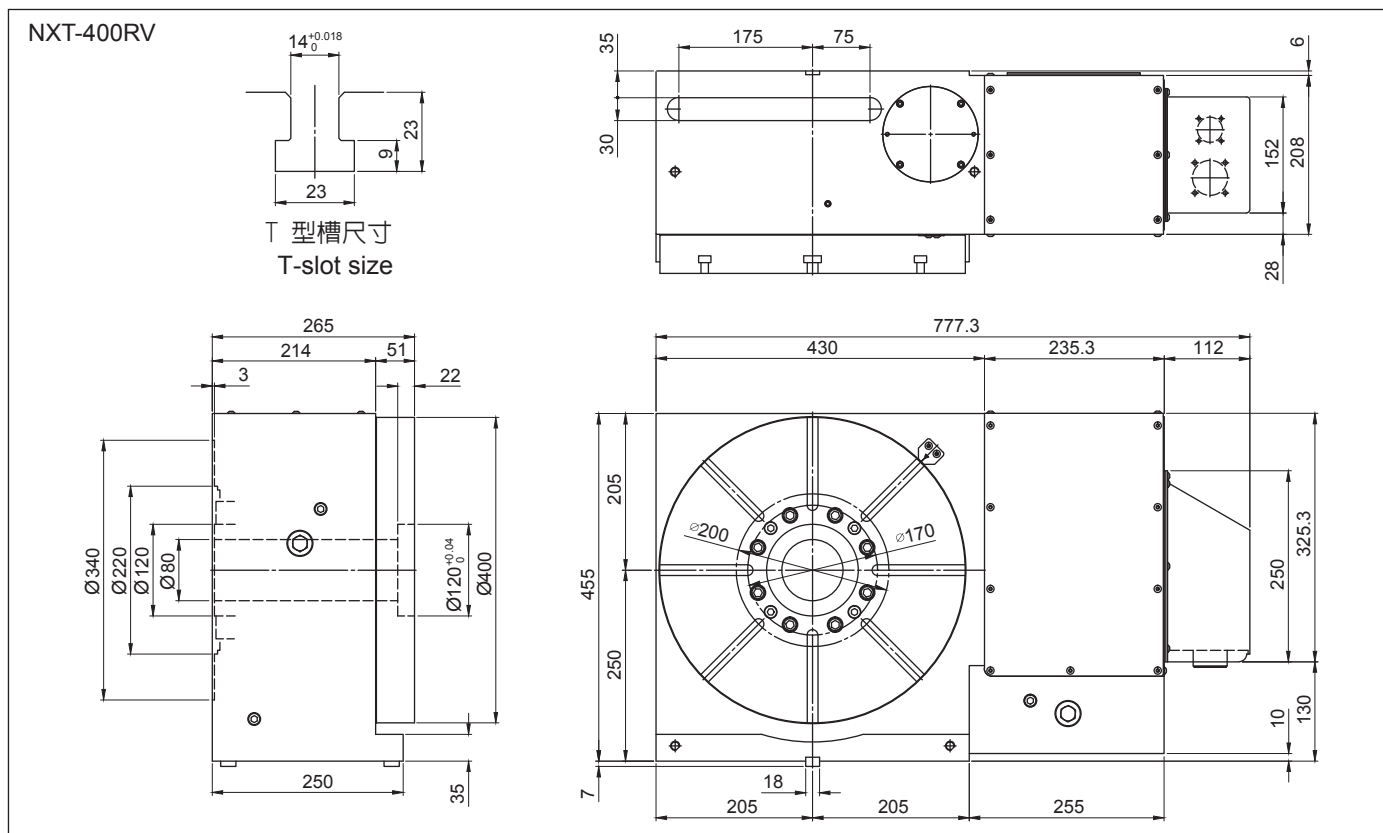
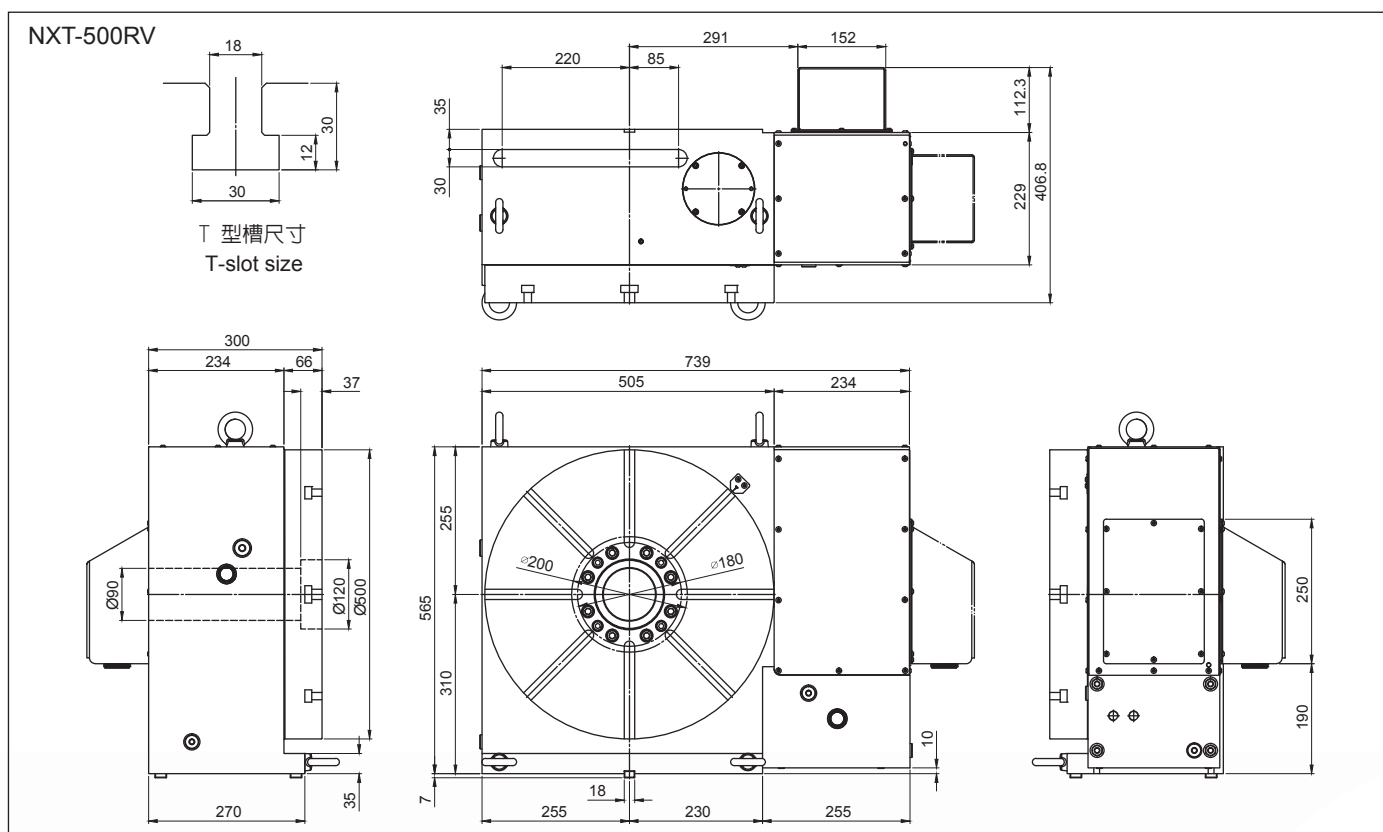
型式 Model			NXT-250R	NXT-320RV	NXT-400RV	NXT-500RV
盤面直徑 Table diameter	mm		φ 250	φ 320	φ 400	φ 500
基準中心孔 Center bore	mm		φ 55 H7	φ 100 H7	φ 120 H7	φ 120 H7
主軸中心穿透孔 Diameter of center through hole	mm		φ 30	φ 80	φ 80	φ 90
垂直放置中心高 Center height (vertically)	mm		170	230	250	310
水平放置總高 Overall height (horizontally)	mm		200	240	265	300
T型槽寬度 Width of T-slot	mm		12 H7	14 H7	14 H7	18 H7
基準導槽寬 Width of Guide block	mm		18 H7	18 H7	18 H7	18 H7
鎖緊裝置(油壓) Clamping device (Hydraulic)	kg/cm ²		35	35	35	35
最小分割角度 Min. indexing degree	degree		5° 1°	5° 1°	5° 1°	5° 1°
等分割數 Table division			72 360	72 360	72 360	72 360
分割精度(累積值) Indexing accuracy(accumulative)	arc sec		4"	4"	4"	4"
重現精度 Repeatability	arc sec		1±"	1±"	1±"	1±"
最高轉速 Max. rotation speed	轉盤 Table	rpm	16.6	27.7	16.6	11.1
	馬達 Motor	rpm	2000	2000	2000	2000
伺服馬達(選配) Servo motor (optional)	發那科 FANUC		8ai	12ai	12ai	12ai
	三菱 MITSUBISHI		HF-104 / 154	HF-204T	HF-204T	HF-204T
	西門子 SIEMENS		1FK7063	1FK7083	1FK7083	1FK7083
	海德漢 HEIDENHAIN		QSY116E	QSY155B	QSY155B	QSY155B
總齒數比 Gear ratio			1/120	1/72	1/120	1/180
容許切削扭力 Permissible cutting torque			48	78	170	240
鎖緊扭力 Clamping torque	F	kg	1500	2000	2500	3000
	F×R	kg-m	300	400	500	600
	F×L	kg-m	350	450	550	650
容許積載荷重 Load Capacity	0°	kg	300	350	500	600
	90°	kg	125	175	250	300
淨重 Net weight		kg	94	178	300	420

5104# 電腦數控齒式分割盤-立臥兩用型

CNC Hydraulic Coupling Gear Indexer-Vertical & Horizontal Type



5104# 電腦數控齒式分割盤-立臥兩用型 CNC Hydraulic Coupling Gear Indexer-Vertical & Horizontal Type



5105# 電腦數控齒式分割盤-臥式

CNC Hydraulic Coupling Gear Indexer Horizontal Type

NXT - 250 H - 1

最小分割角度 Min. index degree **1°** or **5°**

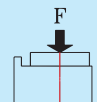
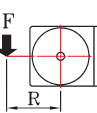
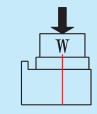
R 馬達右側水平放置

RV 馬達右側垂直放置

H 臥式機 Horizontal

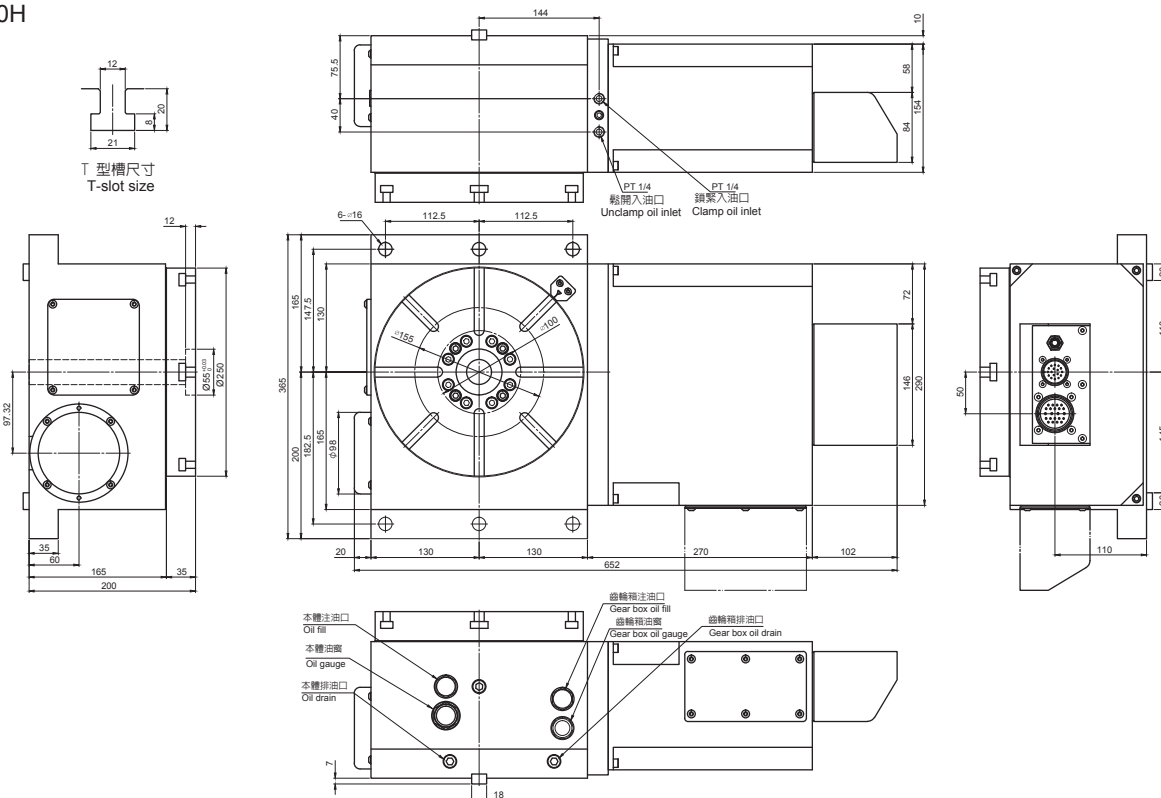
盤面尺寸 Table diameter

CNC 油壓齒式分割盤 hydraulic gear indexer

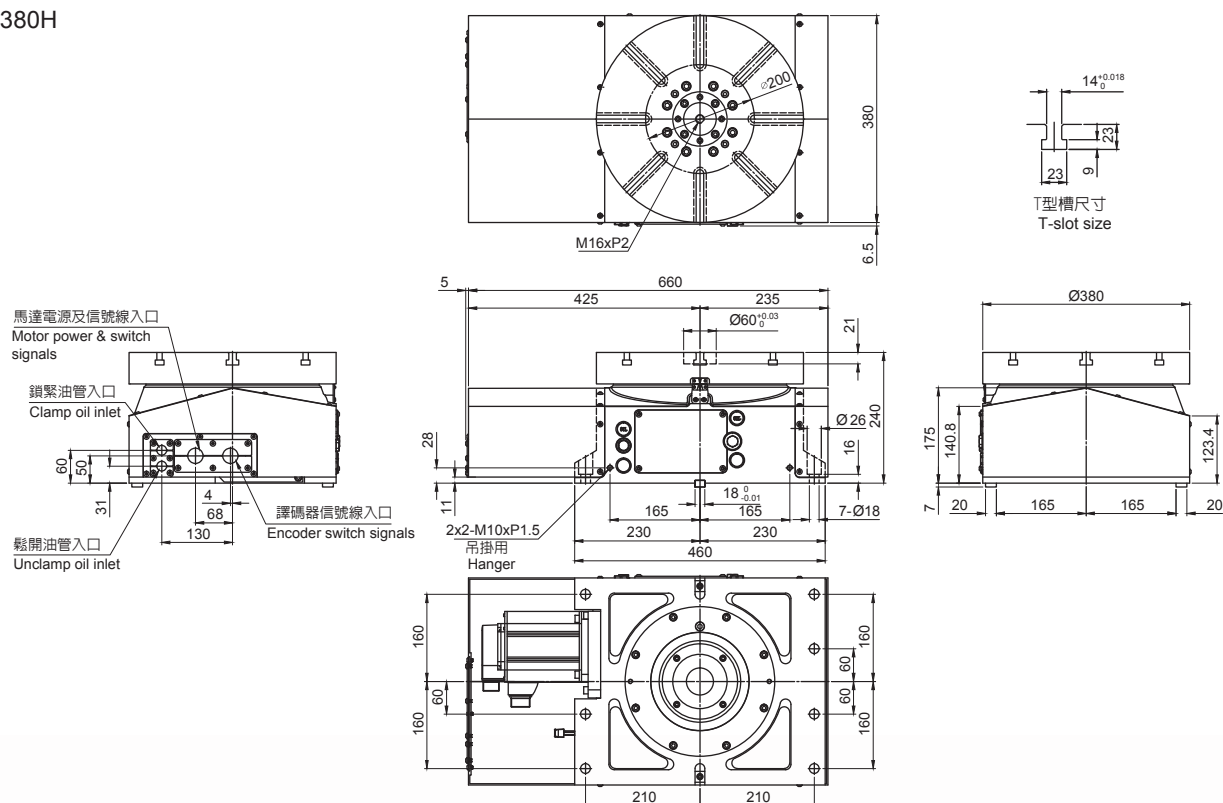
型式 Model			NXT-250H	NXT-380H	NXT-500H	NXT-630H	NXT-800H	NXT-1000H
盤面尺寸 Table diameter (L x W)	mm		φ 250	φ 380	500 × 500	630 × 630	800 × 800	1000 × 1000
盤面主軸中心孔 Diameter of pallet center hole	mm		φ 55 H7	φ 60 H7	φ 50 H7	φ 50 H7	φ 60 H7	φ 60 H7
機台總高 Overall height of table	mm		200	240	280	320	380	410
盤面T型槽寬度 Width of pallet T-slot	mm		12	14 H7	18 H7	20 H7	22 H7	22 H7
基準導槽寬 Width of Guide block	mm		18	x	18 H7	20 H7	20 H7	20 H7
鎖緊裝置(油壓) Clamping device (Hydraulic)	kg/cm ²		35	35	35	35	35	35
最小分割角度 Min. indexing degree	degree		5° 1°	5° 1°	5° 1°	5° 1°	5° 1°	5° 1°
等分割數 Table division			72 360	72 360	72 360	72 360	72 360	72 360
分割精度(累積值) Indexing accuracy(accumulative)	arc sec		4"	4"	4"	4"	4"	4"
重現精度 Repeatability	arc sec		1±"	1±"	1±"	1±"	1±"	1±"
最高轉速 Max. rotation speed	轉盤 Table	rpm	16.6	16.6	16.6	11.1	11.1	8.33
	馬達 Motor	rpm	2000	2000	2000	2000	2000	2000
伺服馬達(選配) Servo motor (optional)	發那科 FANUC		8ai	8ai	12ai	12ai	22ai	22ai
	三菱 MITSUBISHI		HF-104/154	HF-154	HF-204	HF-204S	HF-354S	HF-354S
	西門子 SIEMENS		1FK7063	1FK7063	1FK6083	1FK6083	1FK6101	1FK6101
總齒數比 Gear ratio			1/120	1/120	1/120	1/180	1/180	1/240
旋轉扭力 Rotation torque			48	48	200	280	430	450
鎖緊扭力 Clamping torque	F 	kg	1500	2000	2500	4000	6000	8000
	F×R 	kg-m	300	400	500	600	800	12000
容許積載荷重 Load Capacity	0° 	kg	300	350	1200	2500	4000	8000
淨重 Net weight		kg	198	210	300	550	1000	1970

5105# 電腦數控齒式分割盤-臥式 CNC Hydraulic Coupling Gear Indexer Horizontal Type

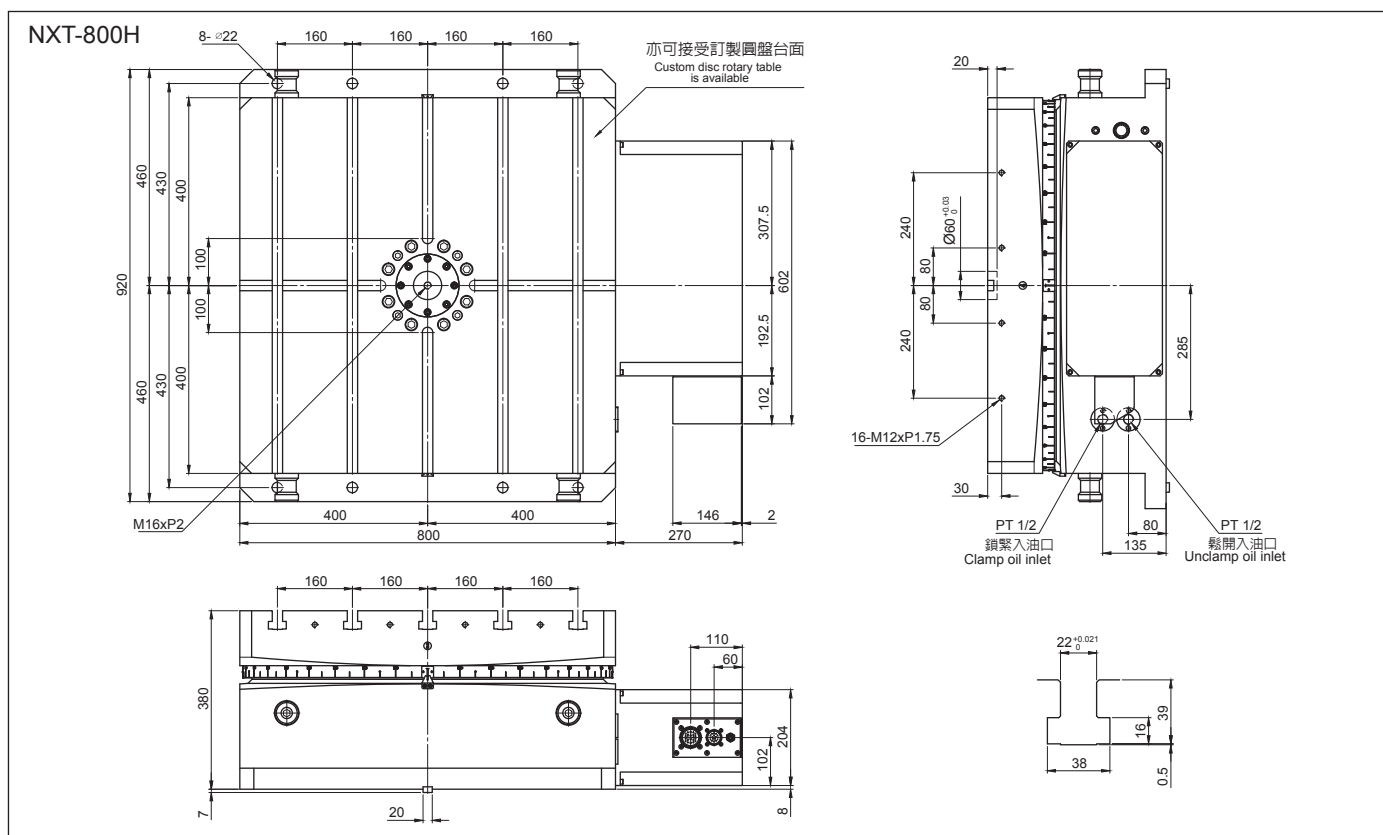
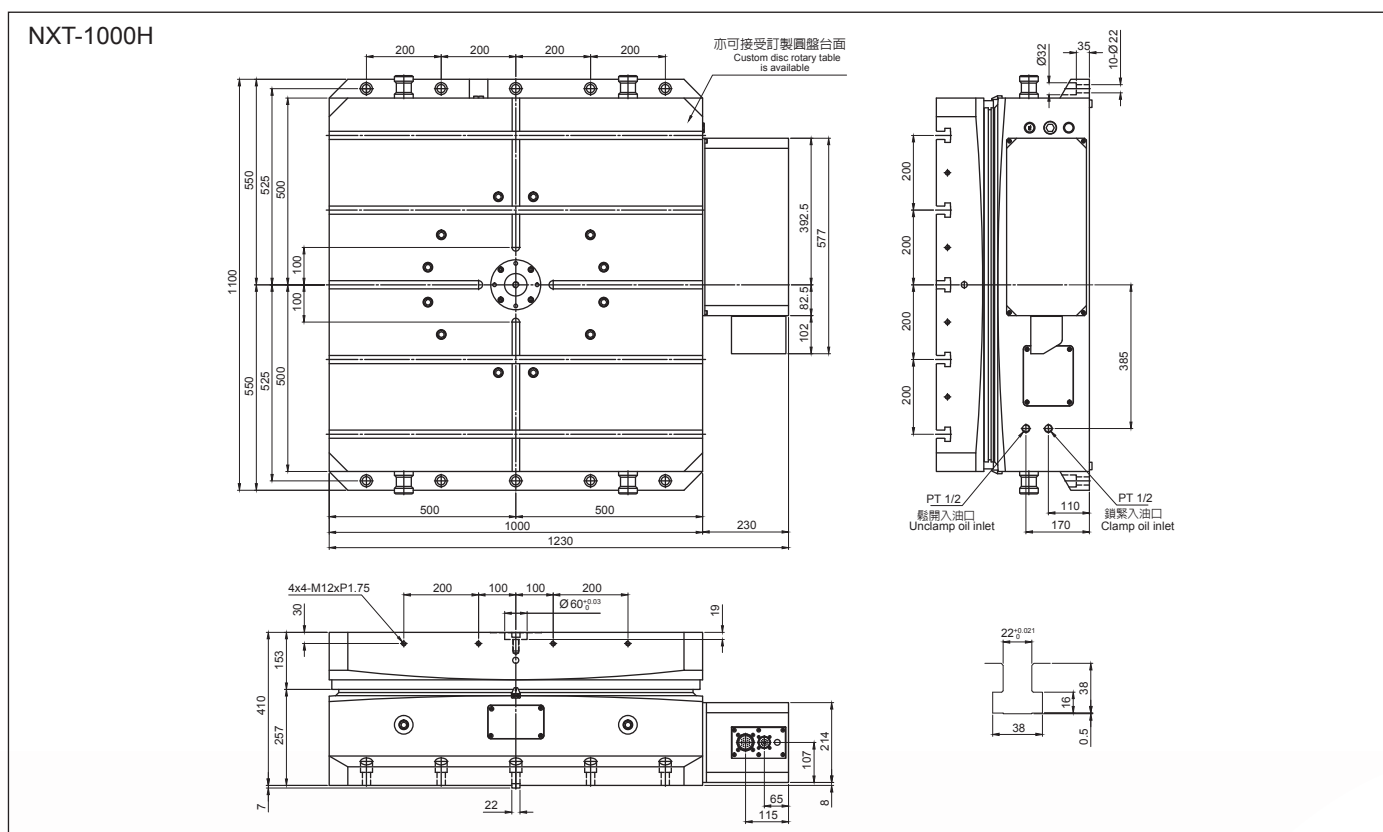
NXT-250H



NXT-380H

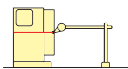
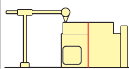
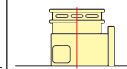
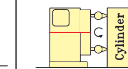
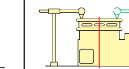
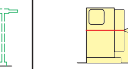
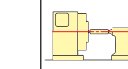
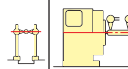


5105# 電腦數控齒式分割盤-臥式 CNC Hydraulic Coupling Gear Indexer Horizontal Type

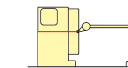
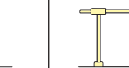
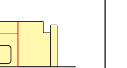
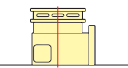
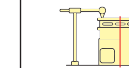


標準精度檢驗項目 Accuracy Standard

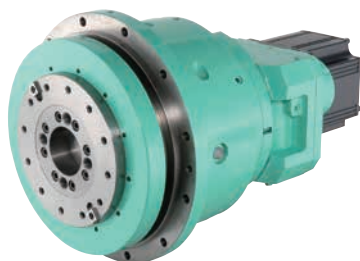
項次 No.	檢驗項目 Inspection Items
1	基準中心旋轉偏擺 Runout of center bore
2	盤面旋轉起伏 Runout of Table top
3	盤面真平度 Flatness of table top
4	盤面與底座垂直度 Perpendicularity of table top to frame bottom
5	盤面與底座平行度 Parallelism of table top to frame bottom
6	盤面與底座基準導塊垂直度 Perpendicularity of table top to guide blocks at table bottom
7	轉盤與尾座基準導塊平行度 Parallelism between bottom guide block & center height of rotary table to tailstock
8	轉盤與尾座中心高平行度 Parallelism of center line between rotary table and tailstock
9	分割精度(光學儀器測量) Indexing accuracy (arc sec) -- measured by an optical measuring device

型式 Model	1	2	3	4	5	6	7	8
								
NXT-250R	0.01	0.01	0.015	0.02	0.02	0.02	0.02	0.02
NXT-320RV	0.01	0.01	0.015	0.02	0.02	0.02	0.02	0.02
NXT-400RV	0.01	0.01	0.015	0.02	0.02	0.02	0.02	0.02
NXT-500RV	0.01	0.015	0.015	0.02	0.02	0.02	0.02	0.02

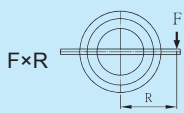
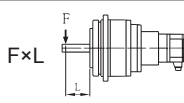
項次 No.	檢驗項目 Inspection Items
1	基準中心旋轉偏擺 Runout of center bore
2	盤面旋轉起伏 Runout of Table top
3	盤面真平度 Flatness of table top
4	盤面與底座平行度 Parallelism of table top to frame bottom
5	盤面側基準面與底座垂直度 Perpendicularity of table profile base plane to frame bottom
6	盤面側基準面與基準導塊平行度 Parallelism of center line between table profile base plane and guide blocks
7	分割精度(光學儀器測量) Indexing accuracy (arc sec) -- measured by an optical measuring device

型式 Model	1	2	3	4	5	6
						
NXT-250H	0.01	0.01	0.015	0.015	0.015	0.015
NXT-380H	0.01	0.01	0.015	0.015	0.015	0.015
NXT-500H	0.01	0.01	0.015	0.015	0.015	0.015
NXT-630H	0.01	0.015	0.02	0.02	0.02	0.02
NXT-800H	0.01	0.015	0.02	0.02	0.02	0.02
NXT-1000H	0.01	0.02	0.03	0.03	0.03	0.02

5106# 電腦數控齒式分割盤 High-Speed Gear Indexer



- 產品特性：此型號分割盤為伺服馬達快速驅動，其他特性與油壓齒式分割盤(HCT系列)相同。
- Characteristics: Besides the same characteristics as Hydraulic Coupling Gear Indexer (HCT Series), High speed gear indexer is driven by the servo motor.

型式 Model			EXT-420N		EXT-560N
盤面固定端直徑 Diameter of table fixed side	mm		$\phi 250$		$\phi 350$
中心基準孔Center bore	mm		$\phi 80$		$\phi 100$
分割精度(累積值) Indexing accuracy (accumulative)	arc sec		4"		4"
重現精度 Repeatability	arc sec		1±"		1±"
分割台等分割數(標準) Indexing number (standard)			2 / 3 / 4 / 6 / 8 / 12 / 24 (擇一One of them)		
分割台等分割數(特殊) Indexing number (special)			5 / 9 / 10 / 20 ... 接受特殊等分訂購 By special order		
轉盤迴轉方向 Rotating direction			正反轉皆可 CW & CCW		
安裝方式Installation			立臥兩用 Horizontal and vertically		
基準孔旋轉偏擺 Runout of center bore	mm		0.02		0.02
盤面旋轉起伏 Runout of table top	mm		0.01		0.01
盤面真平度 Flatness of table top	mm		0.015		0.015
鎖緊裝置(油壓) Clamping device (hydraulic)	kg/cm ²		35		35
夾持力Clamping torque	kg		3300		7580
適用馬達(選配) Servo motor (optional)			HC-SFS202	HC-SFS352	HC-SFS352
最高轉速 Max. rotation speed	轉盤 Table	rpm	33.3	33.3	22.2
	馬達 Motor	rpm	2000	2000	2000
總齒數比 Gear ratio			1/60	1/60	1/90
容許瞬間慣性 GD ² Permissible instant inertia GD ²		kg-m ²	110	195	380
旋轉扭力 Rotation torque		kg-m	44	76.5	150
容許切銷扭力 Permissible cutting torque		kg-m	500		1800
		kg-m	300		800
容許積載荷重 Load Capacity	立式使用 In vertical	kg	350		700
	臥式使用 In horizontal	kg	200		400
淨重 Net weight		kg	214		374

5107# 精密油壓齒式分割台 Hydraulic Coupling Gear Indexer



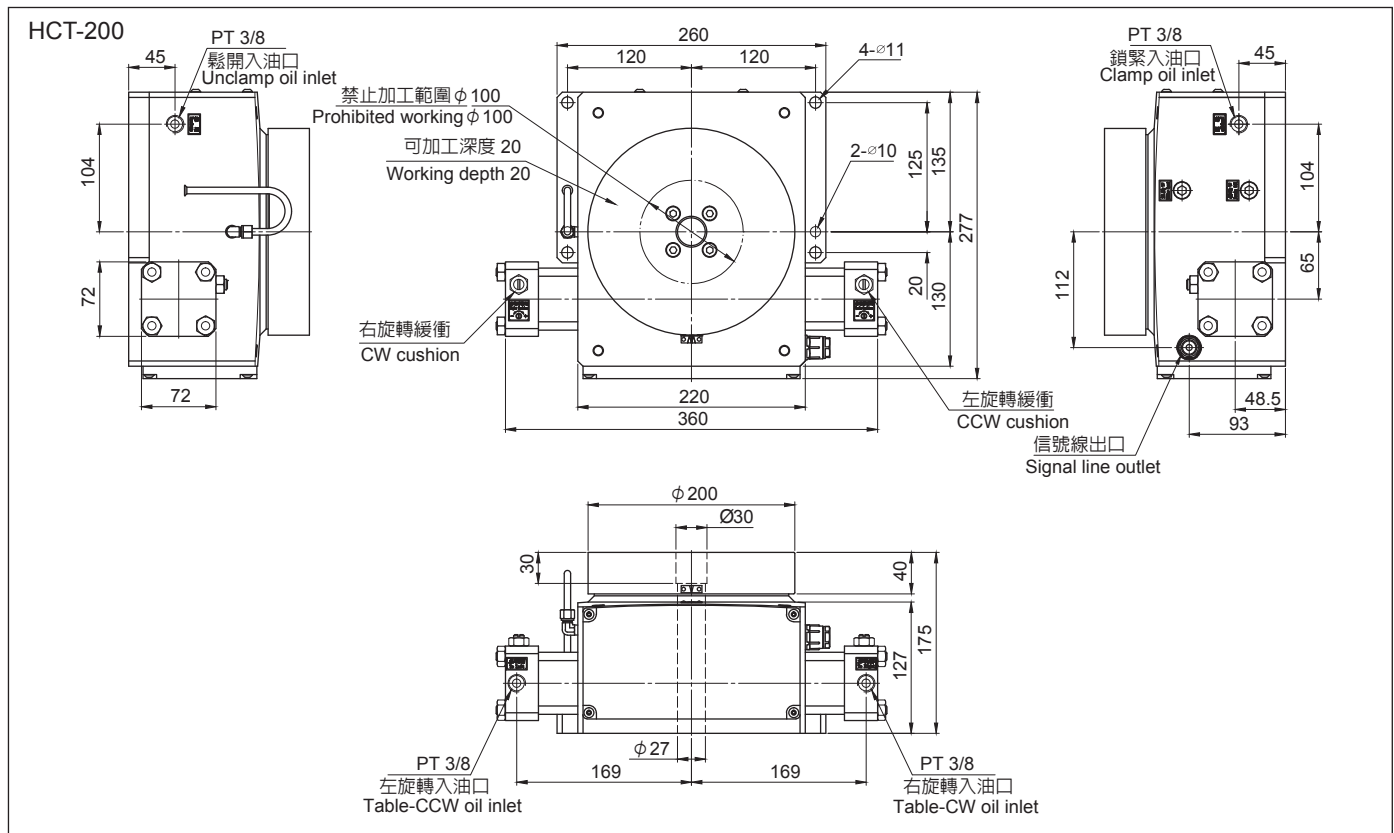
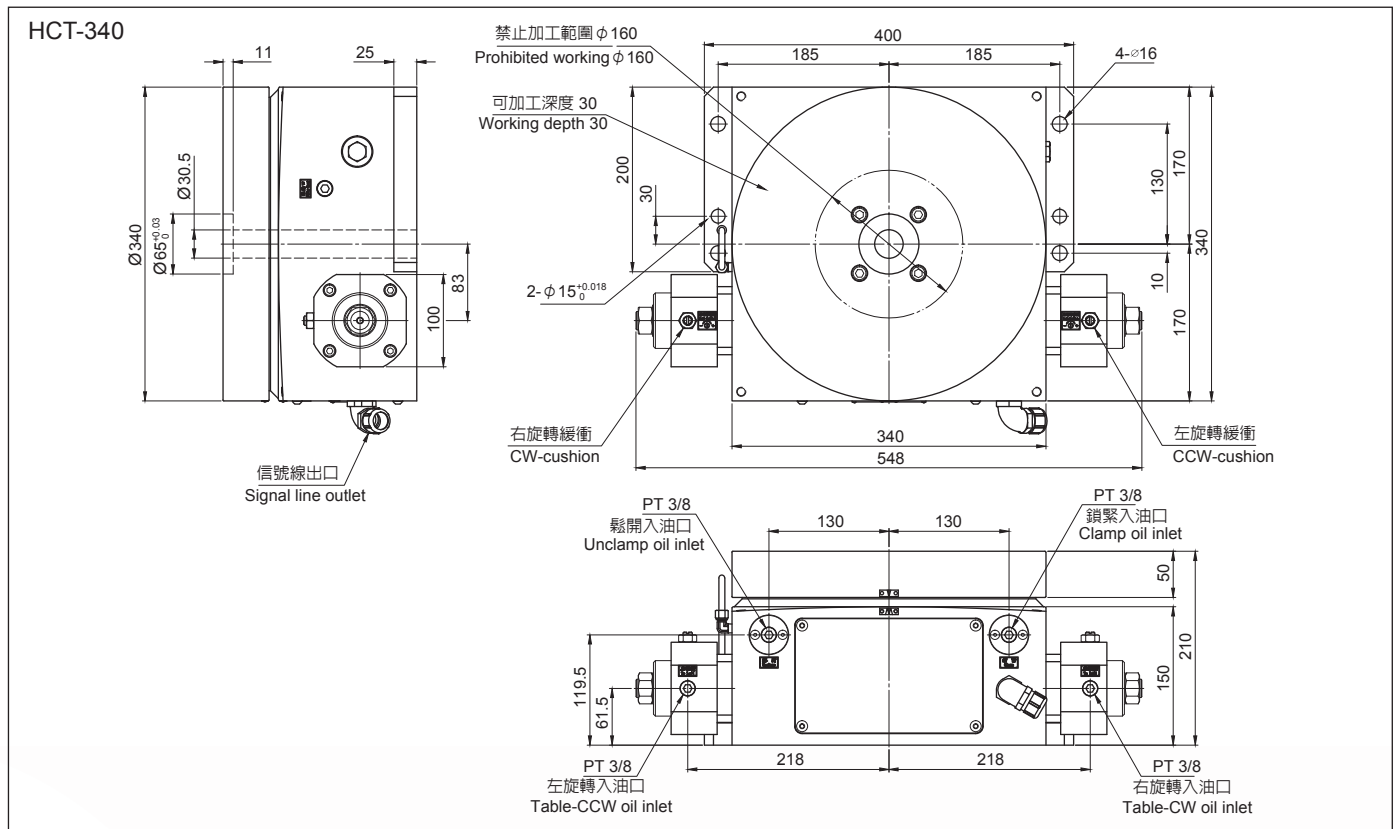
特性：

- 油壓齒式分割台使用三片式齒盤做分割定位，在執行分割動作時盤面沒有升降動作，所以具有高鋼性且耐重切割。
- Three pieces of Hirth coupling gears are built inside positioning and indexing, there is no floating action during degree indexing. Whole-closed structure design has high rigidity and gripping force increase the efficiency greatly during heavy duty cutting.

型式 Model		HCT-200	HCT-340	HCT-470	HCT-600	HCT-800	HCT-1000
盤面直徑 Table diameter	mm	φ 200	φ 340	φ 470	φ 600	φ 800	φ 1000
基準中心孔 Center bore	mm	φ 36 H6	φ 65 H6	φ 90 H6	φ 110 H6	φ 120 H6	φ 120 H7
基準中心孔深度 Depth of center bore	mm	30	11	11	11	40	60
主軸中心穿透孔 Diameter of center through hole	mm	φ 27	φ 30.5	φ 41	φ 53	φ 80	φ 80
水平放置總高 Overall height (Horizontally)	mm	175	210	240	260	305	325
油壓使用壓力 Hydraulic pressure	kg/cm ²	30	30	35	35	35	35
分割精度(累積值) Indexing accuracy (accumulative)	arc sec	4"	4"	4"	4"	4"	4"
重現精度 Repeatability	arc sec	1±"	1±"	1±"	1±"	1±"	1±"
分割台等分割數(標準) Indexing number (standard)		4 / 6 / 8 / 12 / 24 (擇一 One of them)					
分割台等分割數(特殊) Indexing number (special)		2 / 3 / 5 / 9 ... 接受特殊等分訂購 By special order					
旋轉方向 Rotating direction		正反轉皆可 CW & CCW					
旋轉90°的時間方向 Indexing time of 90°	sec	3.0	3.5	4.0	6.0	10	10
容許瞬間慣性 GD ² Permissible instant inertia GD ²	kg/m ²	7	85	180	500	1000	1200
旋轉扭力 Rotation torque	kg-m	25	57	86	144	280	280
鎖緊扭力 Clamping torque	F	kg N	1260 12340	1560 15200	3970 38500	6448 63000	9600 94000
	F×R	kg-m N-m	108 1060	332 3250	1428 13390	1980 19400	4000 39200
	F×H	kg-m N-m	55 541	145 1423	550 5390	840 8232	1950 19110
容許積載荷重 Load Capacity	0°	kg	120	500	700	1250	2400
淨重 Net weight	kg	46	120	266	446	816	1500

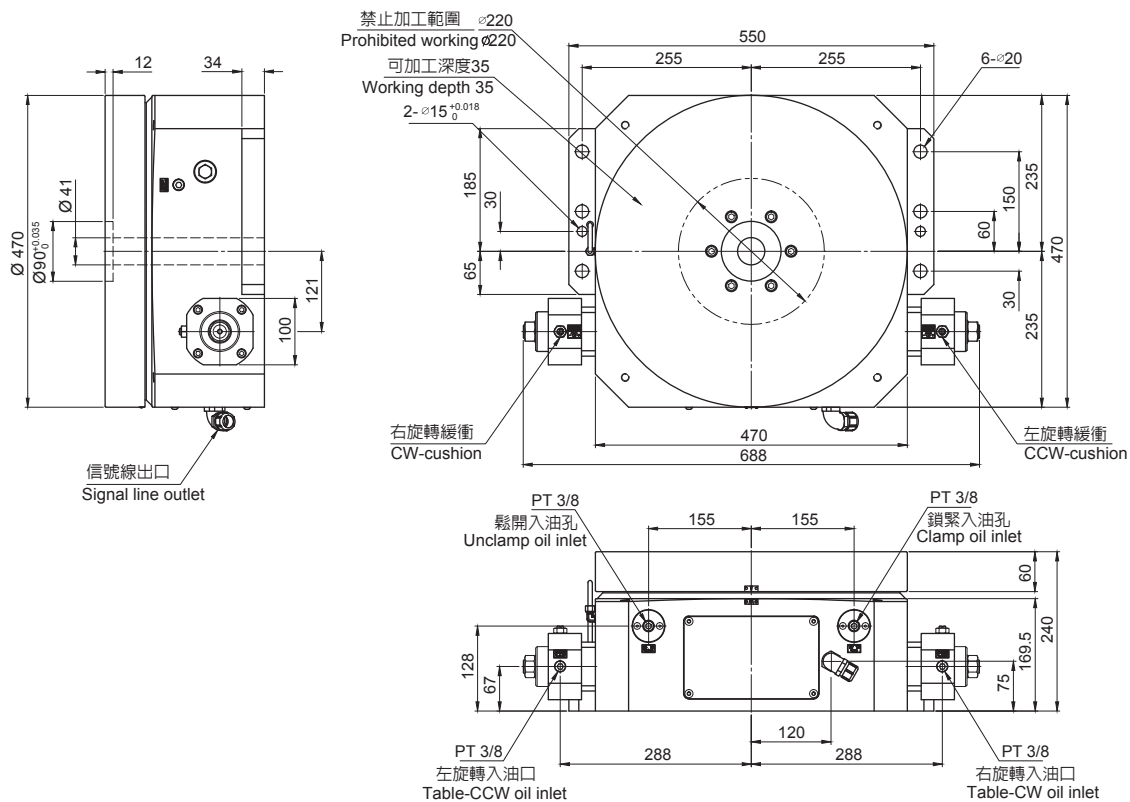
*旋轉90°的時間(鬆開、旋轉、鎖緊)係指在使用壓力30kg/cm²、2HP、30L/min...等條件下的測試值
Indexing time 90° (Unclamp, rotate, clamp) is measured under the condition of 30 kg/cm², 2HP, 30L/min, etc.

5107# 精密油壓齒式分割台 Hydraulic Coupling Gear Indexer

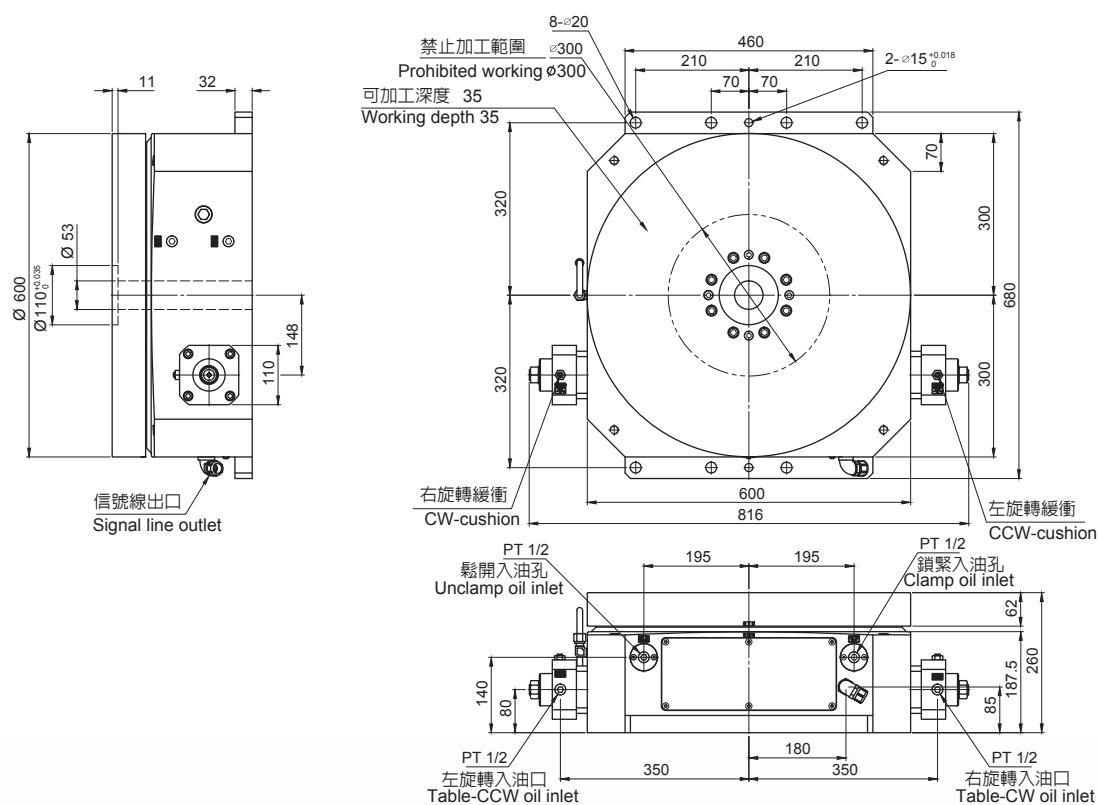


5107# 精密油壓齒式分割台 Hydraulic Coupling Gear Indexer

HCT-470

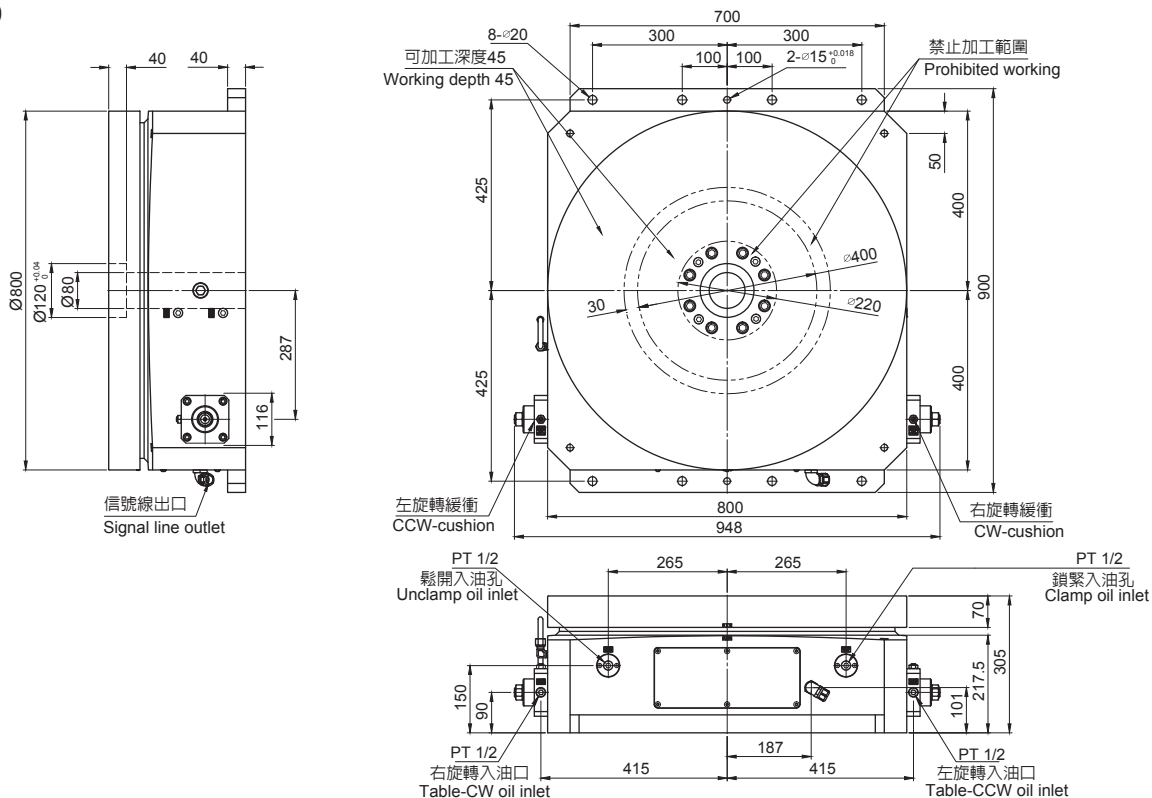


HCT-600

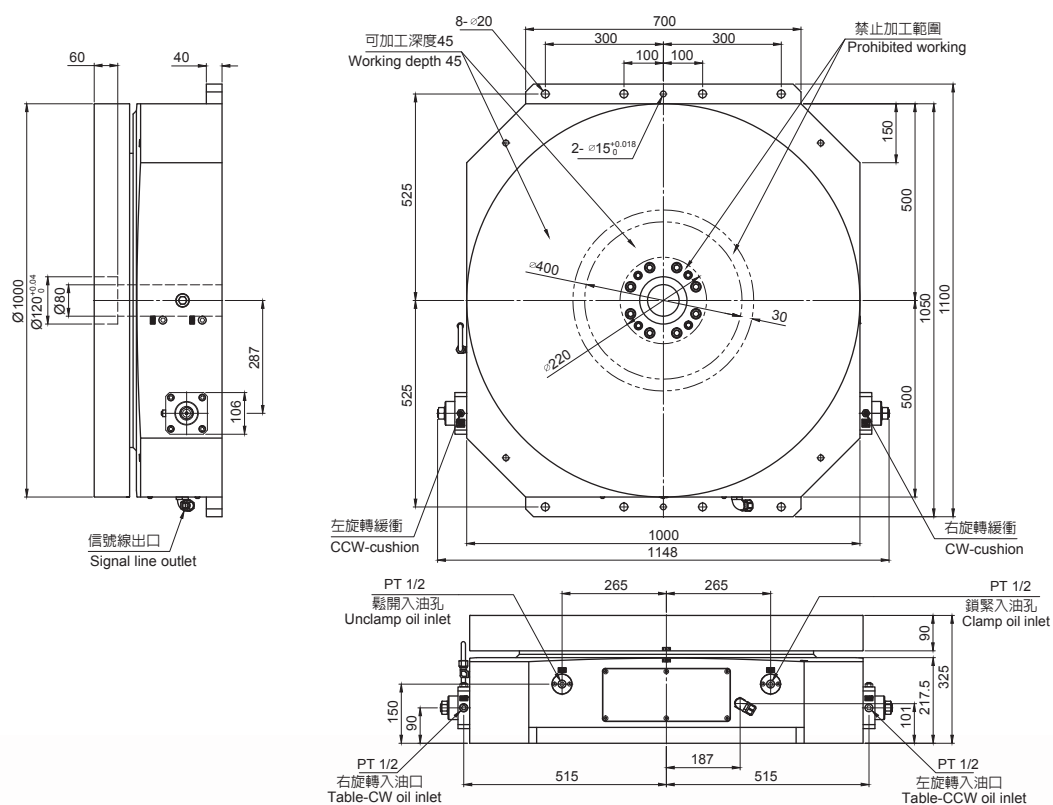


5107# 精密油壓齒式分割台 Hydraulic Coupling Gear Indexer

HCT-800

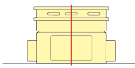
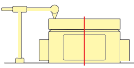
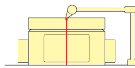
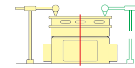


HCT-1000



標準精度檢驗項目 Accuracy Standard

項次 No.	檢驗項目 Inspection Items
1	盤面真直度 Straightness of Table top
2	盤面旋轉起伏 Runout of Table top
3	基準中心旋轉偏擺 Runout of center bore
4	分度盤上下面平行度 Parallelism of table top to frame bottom
5	分割精度(光學儀器測量) Indexing accuracy (arc sec) -- measured by an optical measuring device

型式 Model	1	2	3	4	5
					分割精度 Indexing accuracy (arc sec)
HCT-200	0.02	0.015	0.02	0.02	4"
HCT-340	0.02	0.015	0.02	0.02	4"
HCT-470	0.02	0.02	0.02	0.02	4"
HCT-600	0.02	0.02	0.02	0.03	4"
HCT-800	0.02	0.02	0.02	0.03	4"
HCT-1000	0.02	0.03	0.02	0.03	4"

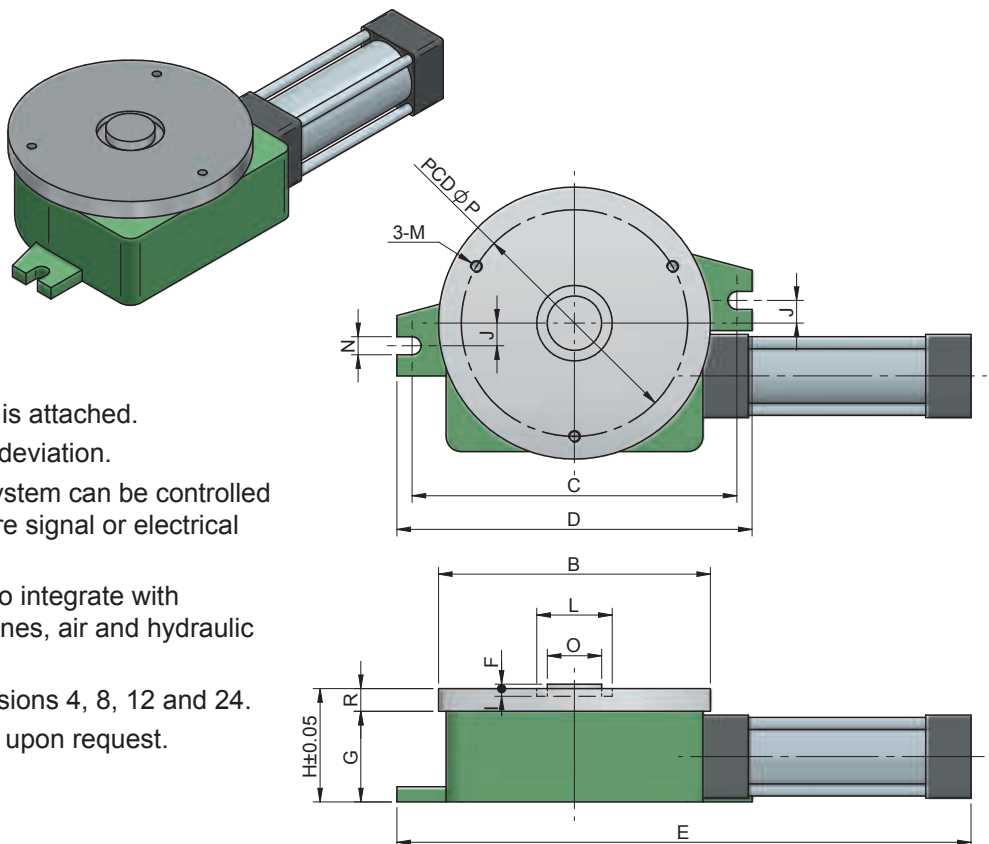
5108# 空油壓分度盤 Pneumatic / Hydraulic Index Table

訂購時請註明：

1. 分割等份。
2. 空壓或油壓推送。
3. 不等分分割為特殊訂製加價。
4. 逆時針轉向加價。

Features

1. To reduce the impact, bumper is attached.
2. Tolerate heavy torque with no deviation.
3. Simple operation, the whole system can be controlled by air signal, hydraulic pressure signal or electrical signal.
4. Automate the production and to integrate with tapping, milling, riveting machines, air and hydraulic presses.
5. Easy to adjust in standard divisions 4, 8, 12 and 24.
6. Special divisions are available upon request.



Model	尺寸 (四等份) A (氣缸)	B	C	D	E	F	G	H	I	J	L	M	N	O	P	R
TY-180	$\phi 40 \times 75$	180	215	235	380	6	60	75	3	15	50	M8×P1.25	12	36	150	15
TY-250	$\phi 63 \times 100$	250	280	300	470	8	80	104	3	20	80	M10×P1.5	15	50	200	24
TY-320	$\phi 80 \times 140$	320	360	385	595	9	100	127	3	20	100	$\frac{4-M}{M10 \times P1.5}$	20	58	260	27

規格 Model	TY-180	TY-250	TY-320
使用動力 Power	空壓 6kg/cm ² 或油壓 15kg/cm ² 選一		
盤 徑 Dimeter	$\phi 180$	$\phi 250$	$\phi 320$
最大載重 Max. Load	50 kg	100 kg	200 kg
迴轉方向 Direction	順時或逆時方向選一 Clock-wise or Counter Clock-wise		
分 割 數 Index Number	4, 6, 8, 12, 24 選一或特殊訂製		
分割精度 Accuracy	± 0.02 m/m	± 0.02 m/m	± 0.02 m/m
定位方式 Position Drive	棘輪式 Ratchet Drive		
重 量 Weight	11	28	58
主軸貫穿孔 Spindle hole	0	0	0

5109# ASC 空壓轉角缸 Air Swing Clamp Cylinder

產品簡介

- 本產品適用於量產零件之專用機及MC治具，提高生產效率最佳幫手。
- 主要功能為空壓缸作動時，活塞下壓行程中壓板會旋轉到設計的角度，再沿著直線繼續下壓直到壓板夾緊工件。
- 建議使用空壓轉角缸，A,B入氣口請加裝流量控制閥，避免速度過快，以及轉角行程中，請勿夾持工件，導致損壞缸體及內部零件。
- 壓板需增加長度時，請勿大於原長之1.5倍。
- 缸體材質採用鋁合金，表面硬膜處理，內壁表面光滑，使用壽命長。

Product Introduction

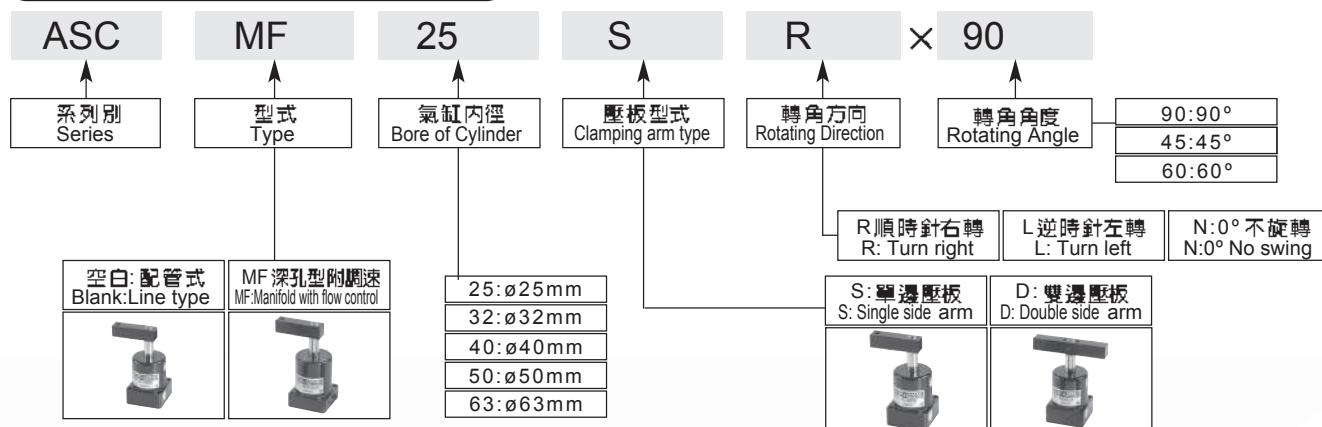
- The product is ideal for mass production on a special purpose machine and jig on machining center. It will greatly upgrade production efficiency.
- When the air cylinder actuate, and the piston moves downward, the clamping arm will swing to a rated angle! Then it lowers until the workpiece is clamped securely.
- To avoid too fast motion a flow control valve is suggested to connect to the air inlet ports (A, B) on the swing clamp cylinder. Do not clamp workpiece while the clamp is swinging to avoid damaging on the cylinder barrel and internal parts.
- When increasing length of clamping arm is required, be sure do not exceed 1.5 times of the original length.
- The cylinder body is manufactured from aluminum alloy. Surface is hard membrane treated for maximum smoothness on inside surface and long service life.



特性資料 Specifications

氣缸內徑	Bore of cylinder	mm	φ 25	φ 32	φ 40	φ 50	φ 63
活塞桿徑	Piston rod diameter	mm	φ 14	φ 16	φ 16	φ 20	φ 20
轉角行程	Swing stroke	mm	8	11	11	13	13
垂直行程 標準/加長	Clamping stroke std/incr	mm	14	15 / 30	15 / 30	17 / 34	17 / 34
受壓面積 拉入/推出	Pressure area pull/push	cm ²	3.37 / 4.91	6.03 / 8.04	10.56 / 12.57	16.49 / 19.63	28.03 / 31.17
理論夾持力	Theoretical clamping force	6kg/cm ²	20	36	63	99	168
使用流體	Fluid	已壓縮之壓縮空氣 Filtered air					
最大操作壓力	Max operation pressure	10 kg/cm ²					
操作壓力範圍	Operation pressure range	1-7 kg/cm ²					
轉角方向	Rotating direction	順時針右轉R或逆時針左轉L Turn right R or turn left L					
轉角角度	Rotating angle	標準角度90° 選擇角度0°. 45°. 60° Standard angle 90°, Optional angle 0°, 45°, 60°					
動作方式	Acting type	複動式 Double acting					

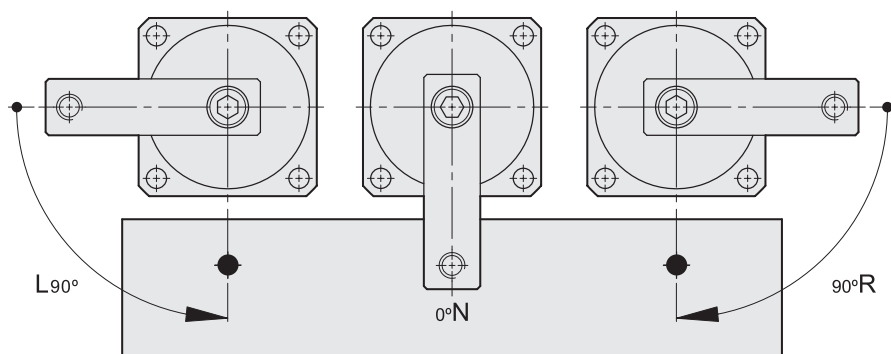
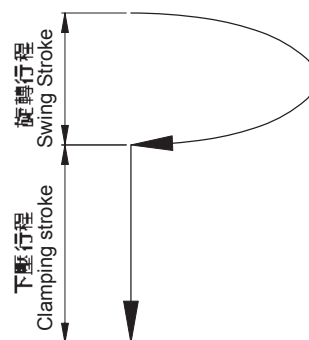
訂購標示法 Ordering Code



5109# ASC 空壓轉角缸 Air Swing Clamp Cylinder

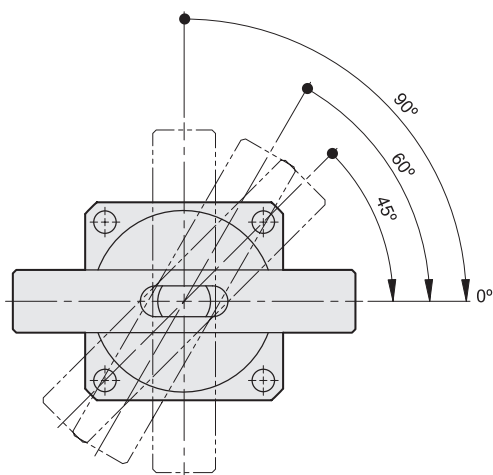
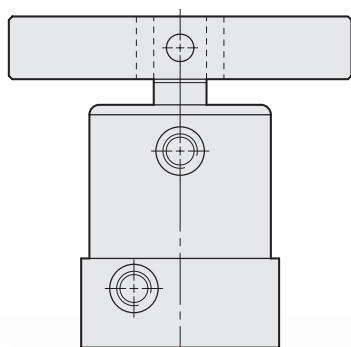
單邊壓板旋轉示意圖

Single Side Swing Clamp



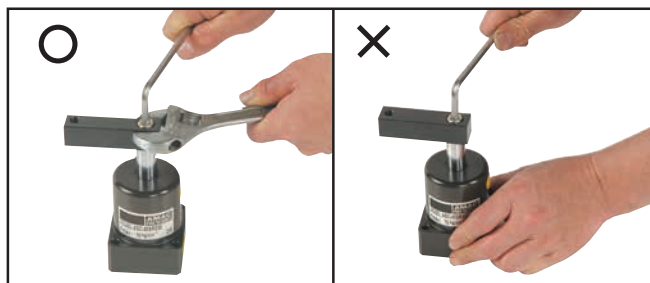
雙邊壓板旋轉示意圖

Double Side Swing Clamp



壓板鎖緊操作方式

Clamping Arm Mounting Methods



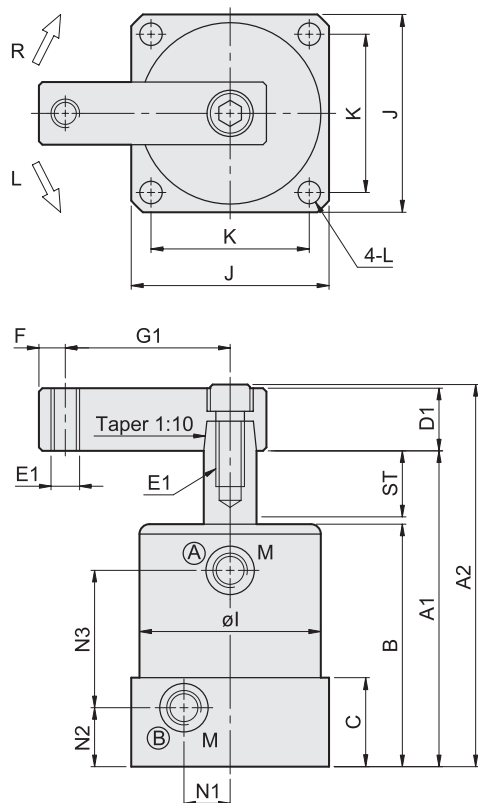
壓板拆卸操作方式

Clamping Arm Removing Methods

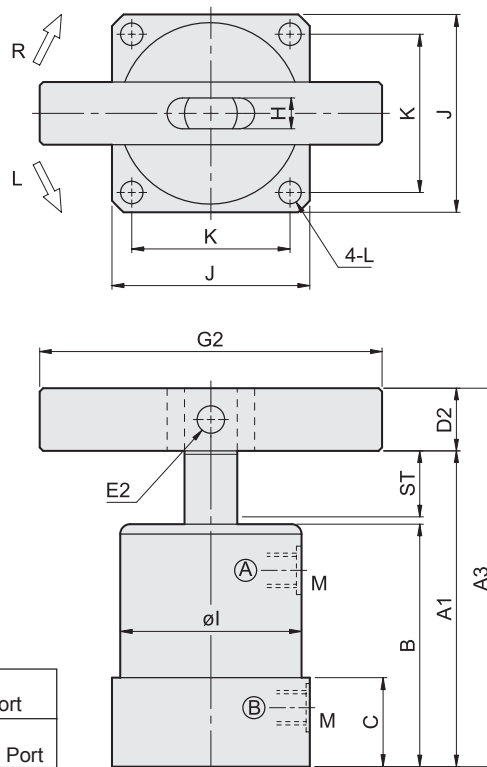


5110# ASC 空壓轉角缸 Line type Air Swing Clamp Cylinder

Single side swing clamp



Double side swing clamp

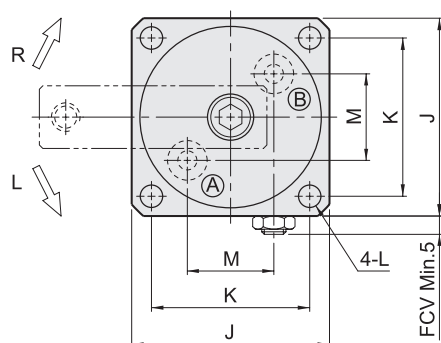


- (A) 夾持氣孔
Clamping Port
- (B) 放鬆氣孔
Unclamping Port

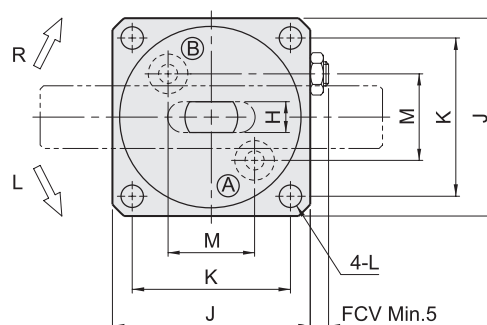
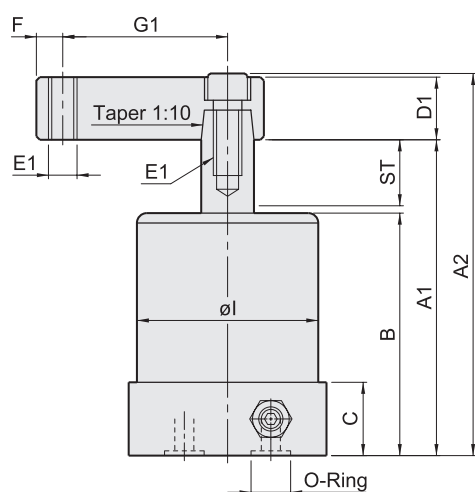
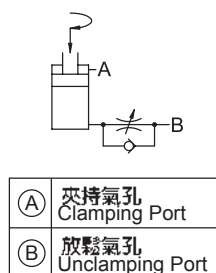
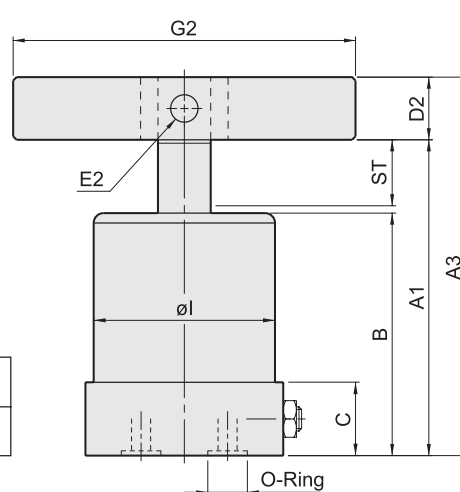
Item	Model	ASC-25	ASC-32	ASC-32L	ASC-40	ASC-40L	ASC-50	ASC-50L	ASC-63	ASC-63L
ST: Swing/Clamping		22:9/13	26:11/15	41:11/30	26:11/15	41:11/30	30:13/17	47:13/34	30:13/17	47:13/34
A1		89	108	138	108	138	124	158	124	158
A2		(105.9)	(128)	(158)	(128)	(158)	(150.4)	(184.4)	(150.4)	(184.4)
A3		-	127	157	127	157	146.2	180.2	146.2	180.2
B		65	78	93	78	93	90	107	90	107
C		23	28		28		31		31	
D1		φ 15.9	φ 19		φ 19		φ 25.4		φ 25.4	
D2		-	φ 19		φ 19		φ 22.2		φ 22.2	
E1		M6×1.0	M8×1.25		M8×1.25		M10×1.5		M10×1.5	
E2		-	φ 8		φ 8		φ 8		φ 8	
F		6	8		8		10		10	
G1		35	50		55		60		70	
G2		-	140		140		160		160	
H		-	9		9		10		10	
I		φ 35	φ 46		φ 55		φ 65		φ 78	
J		38	50		60		70		83	
K		30	40		48		57		67	
L		φ 4.6	φ 5.6		φ 6.8		φ 6.8		φ 9	
M		M5×0.8	G1/8		G1/8		G1/8		G1/8	
N1		8	11.5		14		17		20	
N2		16.5	19		19		21		21	
N3		39.5	45	60	45	60	54	71	54	71

5111# **ASC 空壓轉角缸** MF 深孔型附調速 (免配管路) **Air Swing Clamp Cylinder** Manifold with flow control

Single side swing clamp



Double side swing clamp



Item	Model	ASC-MF32	ASC-MF40	ASC-MF50	ASC-MF63
ST: Swing/Clamping		26:11/15	26:11/15	30:13/17	30:13/17
A1		108	108	124	124
A2		(128)	(128)	(150.4)	(150.4)
A3		127	127	146.2	146.2
B		78	78	90	90
C		22	22	25	25
D1		φ 19	φ 19	φ 25.4	φ 25.4
D2		φ 19	φ 19	φ 22.2	φ 22.2
E1		M8×1.25	M8×1.25	M10×1.5	M10×1.5
E2		φ 8	φ 8	φ 8	φ 8
F		8	8	10	10
G1		50	55	60	70
G2		140	140	160	160
H		9	9	10	10
I		φ 46	φ 55	φ 65	φ 78
J		50	60	70	83
K		40	48	57	67
L		φ 5.6	φ 6.8	φ 6.8	φ 9
M		19	23	28	32
O-Ring		P7	P7	P9	P9

5112# HSC 油壓轉角缸 Hydraulic Swing Clamp Cylinder

產品簡介

- 本產品適用於量產零件之專用機及MC治具，提高生產效率最佳幫手。
- 主要功能為油壓缸作動時，活塞下壓行程中壓板會旋轉到設計的角度，再沿著直線繼續下壓直到壓板夾緊工件。
- 建議使用油壓轉角缸，請加裝流量控制閥，避免速度過快，以及轉角行程中，請勿夾持工件，避免損壞缸體及內部零件。
- 壓板需增加長度時，請勿大於原長之1.5倍。
- 缸體材質採用機械構造用炭素鋼，內壁特殊加工處理，表面光滑，使用壽命長。

Product Introduction

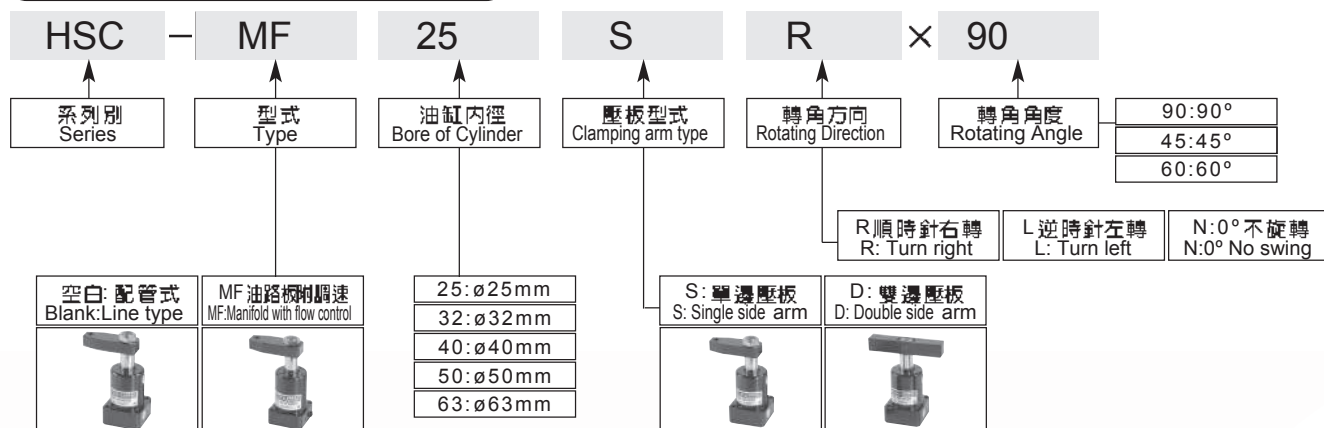
- The product is ideal for mass production on a special purpose machine and jig on machining center. It will greatly upgrade production efficiency.
- When the hydraulic cylinder actuate, and the piston moves downward, the clamping arm will swing to a rated angle. Then it lowers until the workpiece is clamped securely.
- To avoid too fast motion a flow control valve is suggested to connect to the hydraulic swing clamp cylinder. Do not clamp workpiece while the clamp is swinging to avoid damaging on the cylinder barrel and internal parts.
- When increasing length of clamping arm is required, be sure do not exceed 1.5 times of the original length.
- The cylinder body is manufactured from structural carbon steel. Surface is specially treated for maximum smoothness on inside surface and long service life.



特性資料 Specifications

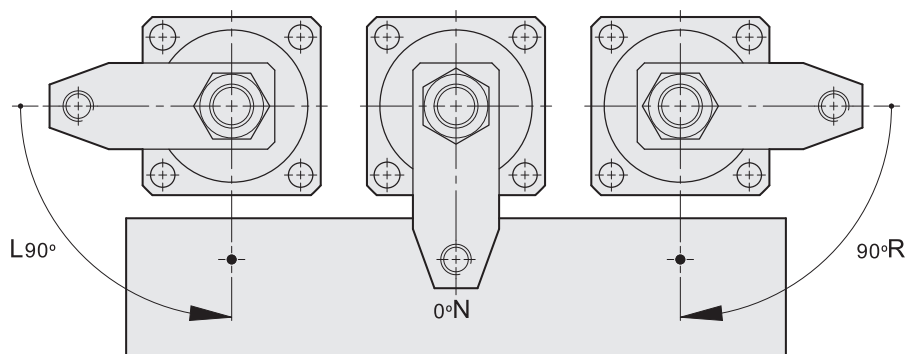
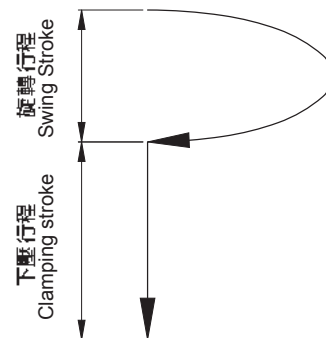
氣缸內徑	Bore of cylinder	mm	φ 25	φ 32	φ 40	φ 50	φ 63
活塞桿徑	Piston rod diameter	mm	φ 18	φ 20	φ 22.4	φ 28	φ 35
轉角行程	Swing stroke	mm	8	11	11	13	13
垂直行程 標準/加長	Clamping stroke std/incr	mm	14	15 / 30	15 / 30	17 / 34	17 / 34
受壓面積 拉入/推出	Pressure area pull/push	cm ²	2.37 / 4.91	4.9 / 8.04	8.63 / 12.57	13.47 / 19.63	21.55 / 31.17
理論夾持力	Theoretical clamping	30kg/cm ²	71	147	259	404	647
使用流體	Fluid	已濾清之標準液壓油 Filtered hydraulic oil					
最大操作壓力	Max operation pressure	100 kg/cm ²					
操作壓力範圍	Operation pressure range	5-70 kg/cm ²					
轉角方向	Rotating direction	順時針右轉R或逆時針左轉L Turn right R or turn left L					
轉角角度	Rotating angle	標準角度90° 選擇角度0°. 45°. 60° Standard angle 90°, Optional angle 0°, 45°, 60°					
動作方式	Acting type	複動式 Double acting					

訂購標示法 Ordering Code

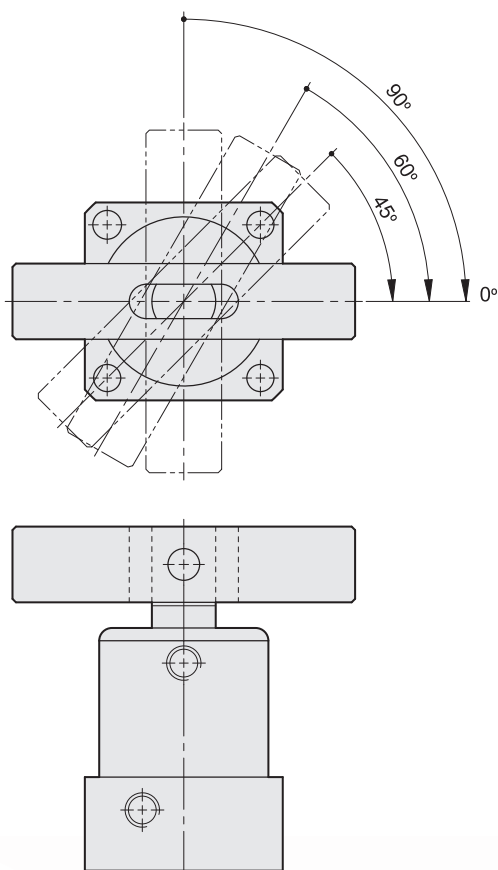


5112# HSC 油壓轉角缸 Hydraulic Swing Clamp Cylinder

單邊壓板旋轉示意圖 Single Side Swing Clamp

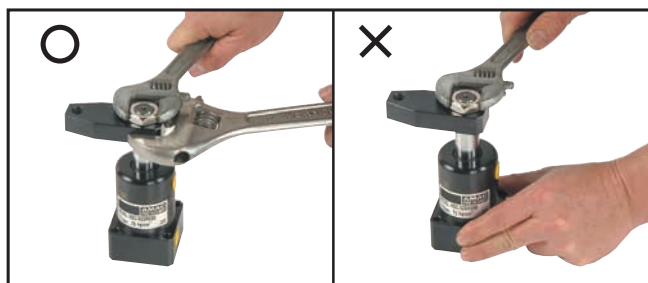


雙邊壓板旋轉示意圖 Double Side Swing Clamp



壓板鎖緊操作方式 Clamping Arm Mounting Methods

Clamping Arm Mounting Methods

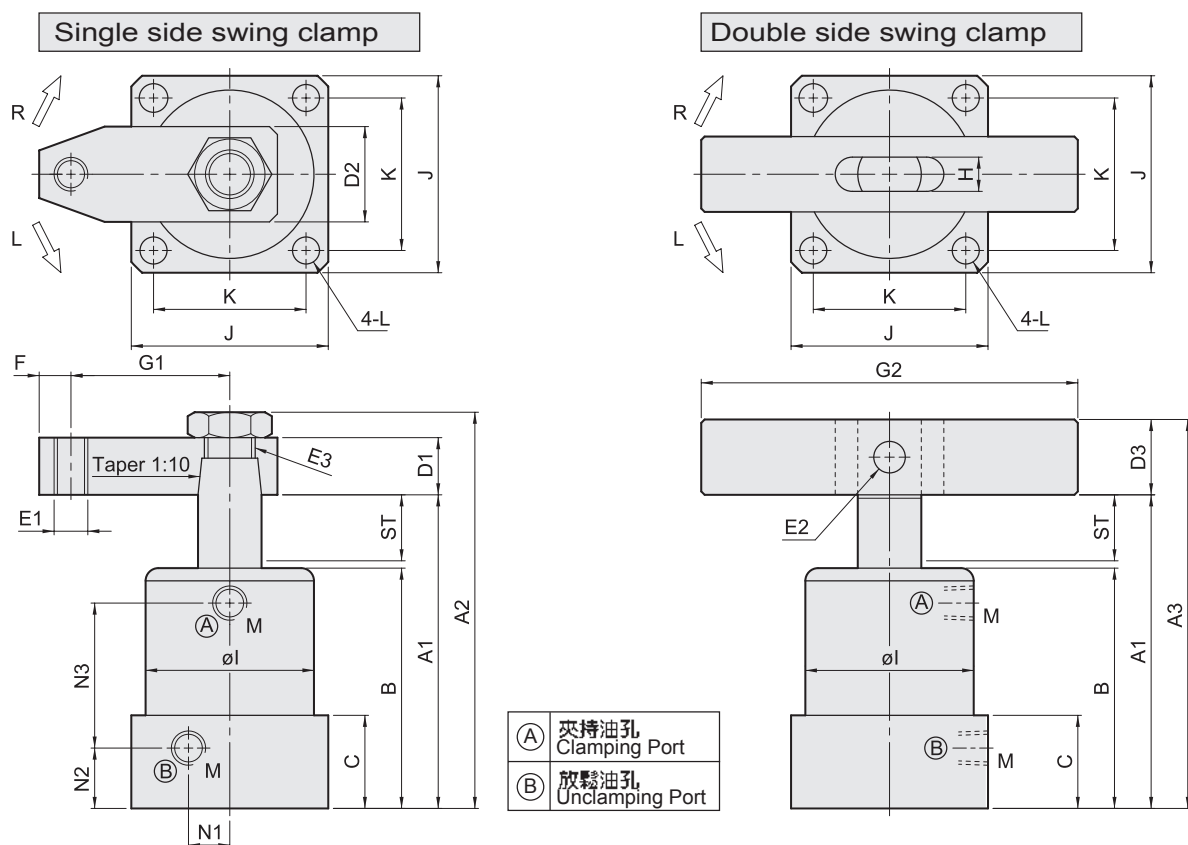


壓板拆卸操作方式 Clamping Arm Removing Methods

Clamping Arm Removing Methods

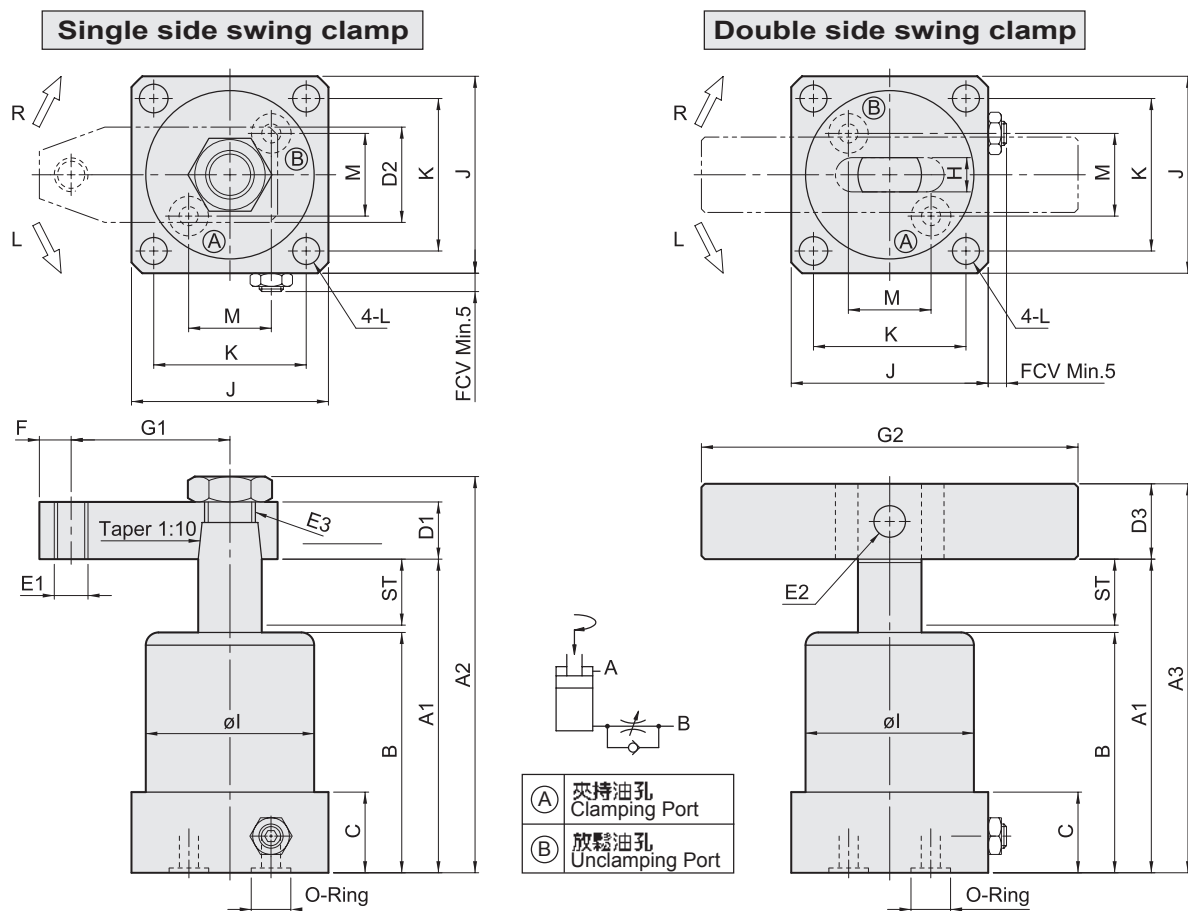


5113# HSC 油壓轉角缸 Line type Hydraulic Swing Clamp Cylinder



Item	Model	HSC-25	HSC-32	HSC-32L	HSC-40	HSC-40L	HSC-50	HSC-50L	HSC-63	HSC-63L
ST:Swing/Clamping		22:9/13	26:11/15	41:11/30	26:11/15	41:11/30	30:13/17	47:13/34	30:13/17	47:13/34
A1		101	115	145	120	150	134	168	139	173
A2		(124)	(140)	(170)	(148)	(178)	(166)	(200)	(175)	(209)
A3		120	137.2	167.2	142.2	172.2	159.4	193.4	170.8	204.8
B		76	85	100	90	105	100	117	105	122
C		27	30	30	30	34	34	34	34	34
D1		15	17	18	18	20	20	23	23	23
D2		27	31	31	31	37	37	48	48	48
D3		φ 19	φ 22.2	φ 22.2	φ 22.2	φ 25.4	φ 25.4	φ 31.8	φ 31.8	φ 31.8
E1		M10×1.5	M10×1.5	M10×1.5	M10×1.5	M12×1.75	M12×1.75	M16×2.0	M16×2.0	M16×2.0
E2		φ 8	φ 8	φ 10	φ 10	φ 12	φ 12	φ 15	φ 15	φ 15
E3		M14×1.5	M16×1.5	M18×1.5	M18×1.5	M20×1.5	M20×1.5	M26×1.5	M26×1.5	M26×1.5
F		10	10	10	10	12	12	15	15	15
G1		50	55	60	60	65	65	75	75	75
G2		140	160	160	160	180	180	200	200	200
H		9	10	10	10	12	12	15	15	15
I		φ 46	φ 50	φ 54	φ 54	φ 66	φ 66	φ 80	φ 80	φ 80
J		52	56	63	63	72	72	88	88	88
K		40	44	48	48	57	57	70	70	70
L		φ 6.8	φ 6.8	φ 9	φ 9	φ 9	φ 9	φ 11	φ 11	φ 11
M		PT1/8	PT1/8	PT1/8	PT1/8	PT1/4	PT1/4	PT1/4	PT1/4	PT1/4
N1		8	10	12	12	15	15	17	17	17
N2		17	19	19	19	21.5	21.5	22	22	22
N3		46	52	67	57	72	63.5	80.5	68	85

5114# HSC 油壓轉角缸 MF 深孔型附調速 (免配管路) Hydraulic Swing Clamp Cylinder Manifold with flow control



Item	Model	HSC-MF25	HSC-MF32	HSC-MF40	HSC-MF50	HSC-MF63
ST:Swing/Clamping		22:9/13	26:11/15	26:11/15	30:13/17	30:13/17
A1		101	115	120	134.5	139
A2		(124)	(140)	(148)	(166)	(175)
A3		120	137.2	142.2	159.4	170.8
B		76	85	90	100	105
C		22	25	25	30	30
D1		15	17	18	20	23
D2		27	31	31	37	48
D3		φ 19	φ 22.2	φ 22.2	φ 25.4	φ 31.8
E1		M10×1.5	M10×1.5	M10×1.5	M12×1.75	M16×2.0
E2		φ 8	φ 8	φ 10	φ 12	φ 15
E3		M14×1.5	M16×1.5	M18×1.5	M20×1.5	M26×1.5
F		10	10	10	12	15
G1		50	55	60	65	75
G2		140	160	160	180	200
H		9	10	10	12	15
I		φ 46	φ 50	φ 54	φ 66	φ 80
J		55	57	63	72	88
K		42	44	48	57	70
L		φ 6.8	φ 6.8	φ 9	φ 9	φ 11
M		19	21	23	28	32
O-Ring		P7	P7	P9	P9	P9

5115# ALC 槓桿式空壓缸 Air lever-type Cylinder

產品簡介

- 此型式空壓缸，採用標準規格化治具缸，加裝槓桿式夾持機構，活塞推出為夾緊狀態，主要機構零件安裝於缸體外部，易於維護。
- 缸體材質採用鋁合金，內壁表面光滑，使用壽命長，夾持機構材料均採用機械構造用炭素鋼，堅固耐用。
- 本系列各種型號均可安裝磁性感應。

Product Introduction

- The series of air cylinder employs the standardized jig cylinder and fitted with lever type clamping mechanism. Piston push forward for clamping. Major parts are mounted outside of the cylinder barrel for convenient maintenance.
- The cylinder barrel is manufactured from aluminum alloy, featuring smooth internal surface and long service life. Clamping mechanism is manufactured from structural carbon steel for maximum durability and long service life.
- All models in this series are available to equip with magnetic proximity switch.

訂購標示法 Ordering Code

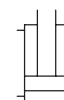
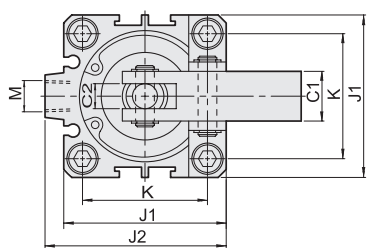
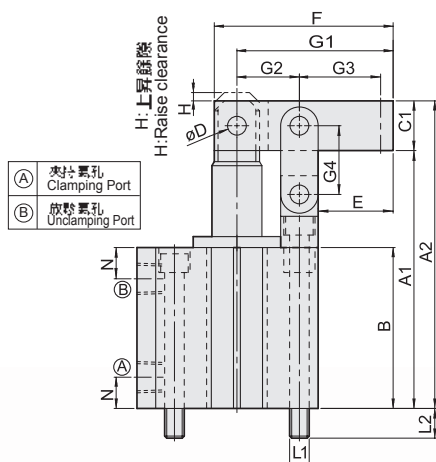
ALC	—	MS		32	—	S1
1		2		3		4

1	系列別 Series	ALC
2	空白 Blank	標準型 Standard type
	MS	附磁石感應 With magnetic induction
3	氣缸內徑 Bore of cylinder	ø25. ø32. ø40. ø50. ø63
4	近接開關 Sensor switch	S1:1個 S2:2個 1Pc of S1,2Pcs of S2

特性資料 Specifications

氣缸內徑	Bore of cylinder	mm	ø25	ø32	ø40	ø50	ø63
活塞桿徑	Piston rod diameter	mm	ø10	ø16	ø16	ø20	ø20
總行程	Total stroke	mm	20	23	25	30	35
受壓面積	Pressure area	cm ²	4.91	8.04	12.57	19.63	31.17
理論夾持力	Theoretical clamping	6kg/cm ²	15	25	44	71	136
使用流體	Fluid	已壓縮之壓縮空氣 Filtered air					
最大操作壓力	Max operation pressure	10 kg/cm ²					
操作壓力範圍	Operation pressure range	1-7 kg/cm ²					
動作方式	Acting type	複動式 Double acting					

Item	Model	ALC-25	ALC-32	ALC-40	ALC-50	ALC-63
標準型 Standard type	A1	65.5	78	82.5	96.6	115.5
	A2	78.2	93.9	98.4	115.6	137.7
	B	41	49	51.5	58.6	72.5
附磁石 With magnet	A1	75.5	93	97.5	106.6	125.5
	A2	88.2	108.9	113.4	125.6	147.7
	B	51	64	66.5	68.6	82.5
C1		ø12.7	ø15.9	ø15.9	ø19	ø22.2
C2		6	8	8	10	10
D		ø5	ø6	ø6	ø8	ø8
E		25	31	32	35	38.5
F		50	60	65	75	85
G1		45	54	58	66	76
G2		14	17	20	23	29.5
G3		27.5	33	34	38	40.5
G4		17	20	22	27	32
H		3	3	3	3	3
J1		40	44	52	62	75
J2		-	50	58	71	84.5
K		28	34	40	48	60
L1		M5×0.8	M5×0.8	M6×1.0	M6×1.0	M6×1.0
L2		10.5	11	9.5	11	11
M		M5×0.8	PT1/8	PT1/8	PT1/4	PT1/4
N		8	9	10	11	11



5116# HLC 槓桿式油壓缸 Hydraulic lever-type Cylinder

產品簡介

- 此型式油壓缸，夾持機構為槓桿原理，活塞推出為夾緊狀態，主要機構零件安裝於缸體外部，易於維護。
- 缸體及夾持機構材料均採用機械構造用炭素鋼，堅固耐用，使用壽命長。

Product Introduction

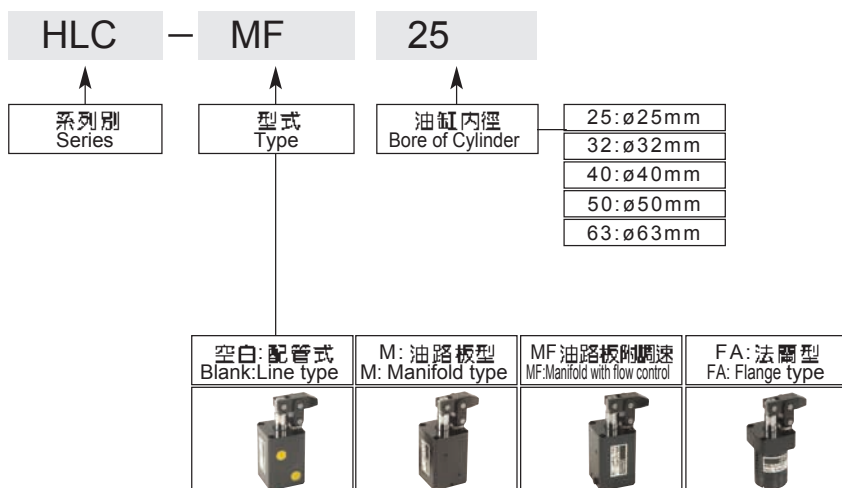
- The clamping mechanism on this series of hydraulic cylinder work with a lever principle. Piston push forward for clamping. It provides greater clamping force than that of swing clamp cylinder. Major parts are mounted outside of the cylinder barrel for convenient maintenance.
- The cylinder barrel and clamping mechanism are manufactured from structural carbon steel for maximum durability and long service life.



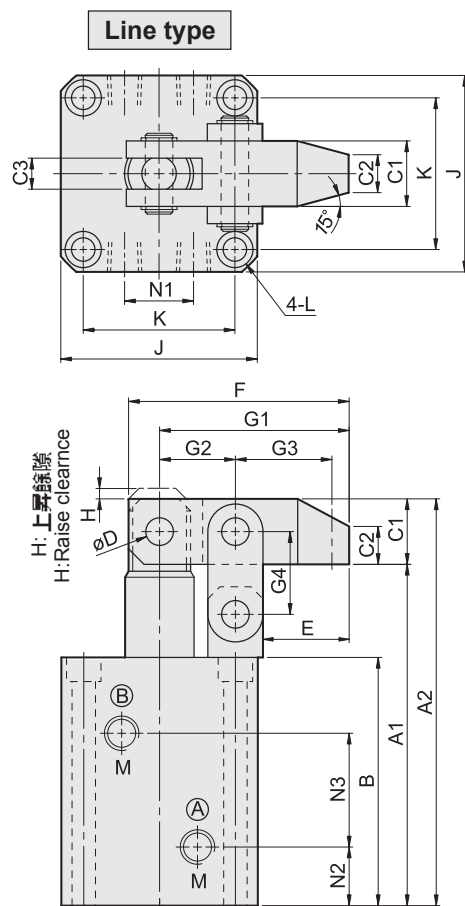
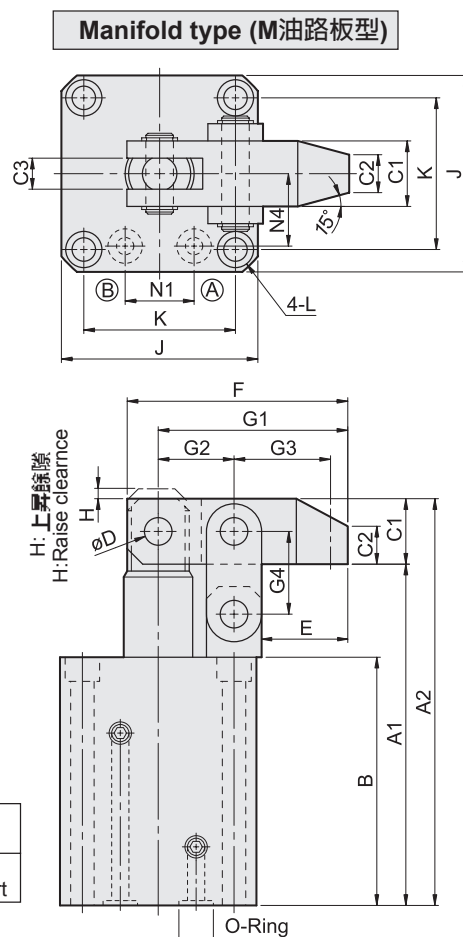
特性資料 Specifications

油缸內徑	Bore of cylinder	mm	φ 25	φ 32	φ 40	φ 50	φ 63
活塞桿徑	Piston rod diameter	mm	φ 18	φ 20	φ 22.4	φ 28	φ 35
總行程	Total stroke	mm	25	25	30	34	40
受壓面積 拉入/推出	Pressure area pull/push	cm ²	2.37 / 4.91	4.9 / 8.04	8.63 / 12.57	13.47 / 19.63	21.55 / 31.17
理論夾持力	Theoretical clamping	30kg/cm ²	116	190	288	453	701
使用流體	Fluid	已濾清之標準液壓油 Filtered hydraulic oil					
最大操作壓力	Max operation pressure	70 kg/cm ²					
操作壓力範圍	Operation pressure range	5-50 kg/cm ²					
動作方式	Acting type	複動式 Double acting					

訂購標示法 Ordering Code



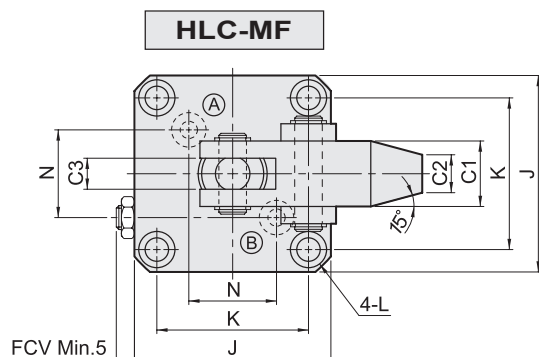
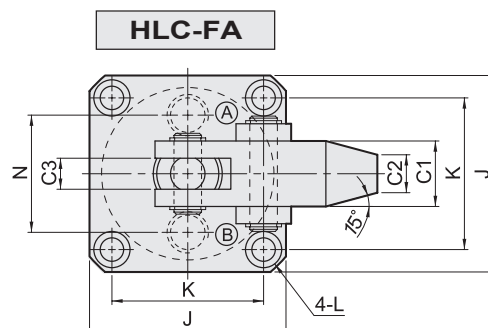
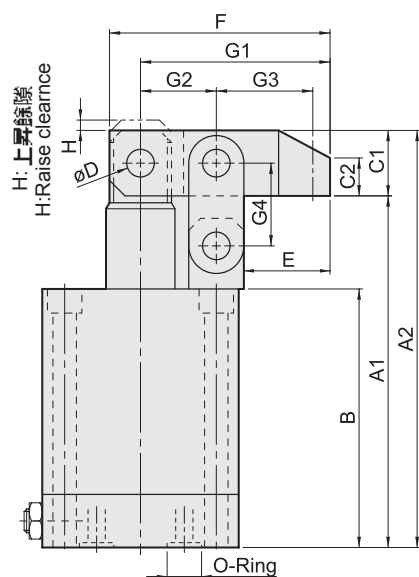
5116# HLC 槓桿式油壓缸 Hydraulic lever-type Cylinder



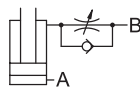
- (A) 夾持油孔
Clamping Port
- (B) 放鬆油孔
Unclamping Port

Item	Model	HLC-25 HLC-M25	HLC-32 HLC-M32	HLC-40 HLC-M40	HLC-50 HLC-M50	HLC-63 HLC-M63
A1		103	112	122	137	155
A2		122	131	144.2	162.4	186.8
B		76	85	90	100	111
C1		φ 19	φ 19	φ 22.2	φ 25.4	φ 31.8
C2		11	11	13	15	19
C3		9	9	10	11	15
D		φ 8	φ 8	φ 10	φ 12	φ 15
E		25	25	30	35.5	43
F		64	64	77	90	110
G1		55	55	66	77	94
G2		22	22	26	30	36
G3		28	28	34	39	48
G4		24	24	29	33	39
H		3	3	4	4	4
J		55	57	69	75	96
K		42	44	52	58	75
L		φ 6.8-φ 10.5×6.5D.	φ 6.8-φ 10.5×6.5D.	φ 9-φ 14×9D.	φ 9-φ 14×9D.	φ 11-φ 18×11D.
M		PT1/8	PT1/8	PT1/4	PT1/4	PT1/4
N1		18	22	26	32	38
N2		17	19	19	21.5	22
N3		33	38	40	45	52
N4		20	22	26	30	38
O-Ring		P7	P7	P8	P8	P9

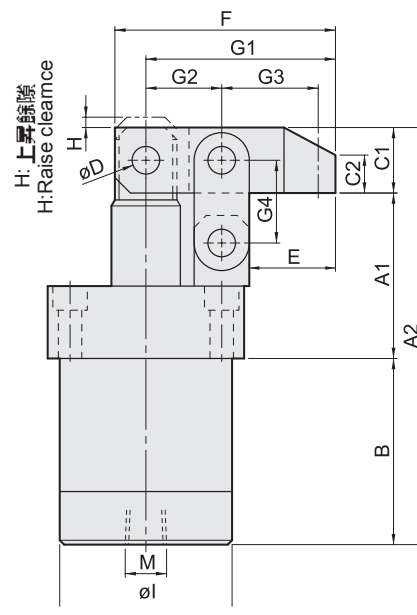
5117# HLC 槓桿式油壓缸 MF 油路板附調速/FA 法蘭型 Manifold with flow control / Flange type Hydraulic lever-type Cylinder



HLC-MF



- (A) 夾持油孔
Clamping Port
- (B) 放鬆油孔
Unclamping Port

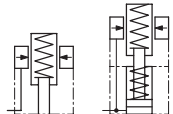


Item	Model	HLC-MF-25	HLC-MF-32	HLC-MF-40	HLC-MF-50	HLC-FA-25	HLC-FA-32	HLC-FA-40	HLC-FA-50
A1		112	115	130	145	49	52	57	67
A2		131	134	152.2	170.4	131	134	152.2	170.4
B		85	88	98	108	63	63	73	78
C1		φ 19	φ 19	φ 22.2	φ 25.4	φ 19	φ 19	φ 22.2	φ 25.4
C2		11	11	13	15	11	11	13	15
C3		9	9	10	11	9	9	10	11
D		φ 8	φ 8	φ 10	φ 12	φ 8	φ 8	φ 10	φ 12
E		25	25	30	35.5	25	25	30	35.5
F		64	64	77	90	64	64	77	90
G1		55	55	66	77	55	55	66	77
G2		22	22	26	30	22	22	26	30
G3		28	28	34	39	28	28	34	39
G4		24	24	29	33	24	24	29	33
H		3	3	4	4	3	3	4	4
I		-	-	-	-	φ 45	φ 50	φ 58	φ 68
J		55	57	69	75	55	57	69	75
K		42	44	52	58	42	44	52	58
L		φ 6.8-φ 10.5×6.5D.		φ 9-φ 14×9D.		φ 6.8-φ 10.5×6.5D.		φ 9-φ 14×9D.	
M		-	-	-	-	PT1/8	PT1/8	PT1/4	PT1/4
N		19	21	23	28	25	32	40	50
O-Ring		P7	P7	P9	P9	-	-	-	-

5118# SP 油壓支撐缸 頂持缸 Hydraulic Supporting Cylinder

SP高壓支撐缸
High pressure supporting
cylinder
Rod: $\phi 16-\phi 25\text{mm}$
Pmax: 500kg/cm^2

Type A Type B



產品簡介

- 油壓支撐缸使用於機械加工時，減少振動，防止變形，以及吸收切削力，提升加工精度與品質。
- 油壓缸採用進口油封及零件，耐高壓，確保品質與使用壽命。
- 操作時充油速度不可太快，以避免接觸工件時，頂桿撞擊工件。
- SP-16螺柱式體積小，使用於夾具上，可在最小空間中排列使用。
- LSP-16低壓支撐缸，使用於低油壓系統，操作壓力 50kg/cm^2 以內即可獲得高壓之頂持力量。
- SP-AH空油兩用型支撐缸，適用於純空壓系統或低油壓之夾治具低壓動力源即可獲得支撐力量。

型式簡介

- A型 彈簧頂出型，頂桿伸出於最高頂出位置，工件接觸頂桿時由彈簧控制接觸力量，油壓操作充油將心軸鎖緊，而產生支撐力。
- B型 油壓頂出型，頂桿於最低位置，由油壓操作充油時頂出，並以彈簧控制接觸工件力量，油壓持續加壓將心軸鎖緊而產生支撐力。

注意事項

- SP-16及LSP-16頂桿螺帽，可依實際需要，參考下圖製作更換，頸部有一O型環為頂桿中心孔密封用，仍需加工裝配O型環，不得隨意丟棄。
- LSP-16如與其他治具用單動油壓缸，使用於同一套治具時，支撐缸迴路需單獨控制。

Product Introduction

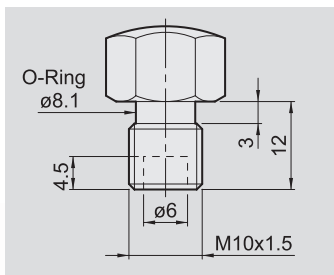
- The hydraulic supporting cylinder is normally applied for machining, which may reduce vibration, prevent deformation, absorb cutting force while upgrading machining accuracy and quality.
- The hydraulic cylinder employs imported oil seal and parts to resist high pressure, and ensure quality dependability and long service life.
- When operating the supporting cylinder, make sure do not exceed the normal oil feeding speed to avoid the supporting bar bumping against workpiece when it contacts workpiece.
- The SP-16 screw type cylinder compact construction permits several units operated for clamping in a small space.
- The LSP-16 low pressure supporting cylinder achieves a high pressure supporting capability, hydraulic system and with in 50kg/cm^2 of operation pressure.
- The SP-AH series air/hydraulic supporting cylinder is designed for jig and fixture operated by air system or low pressure hydraulic system. It provides proper support capability.

Model Identification

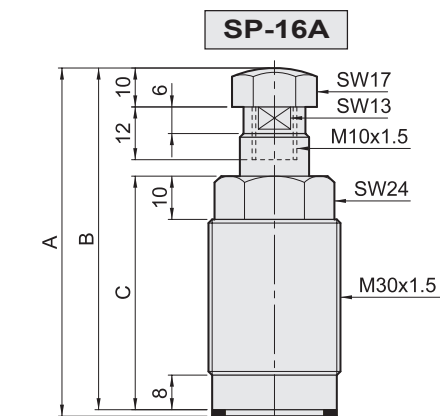
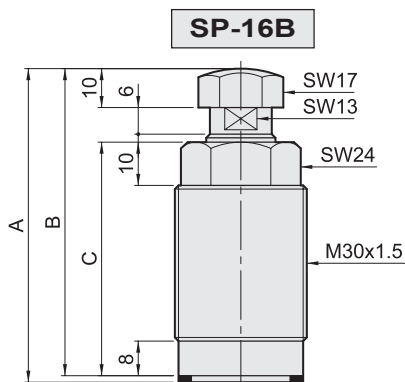
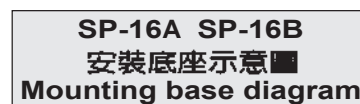
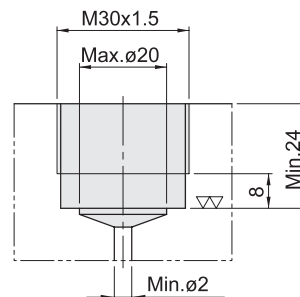
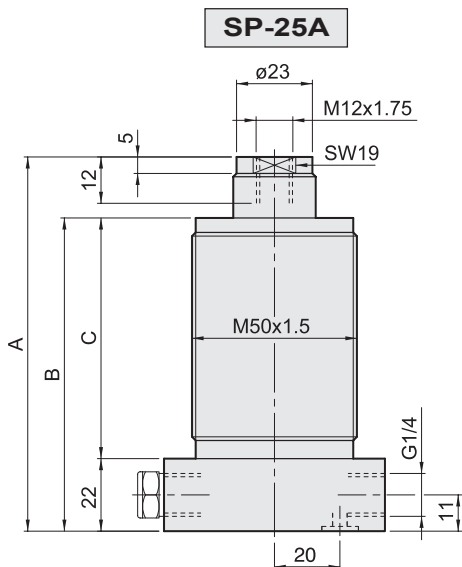
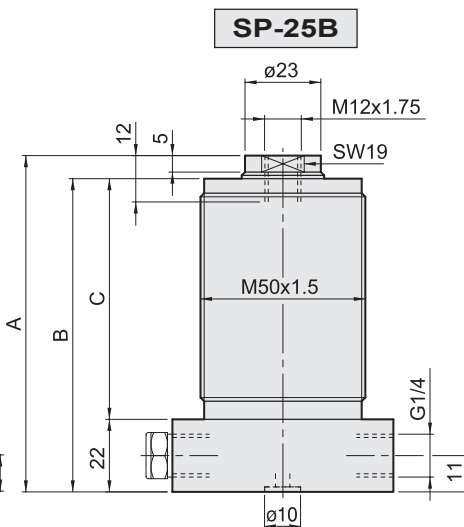
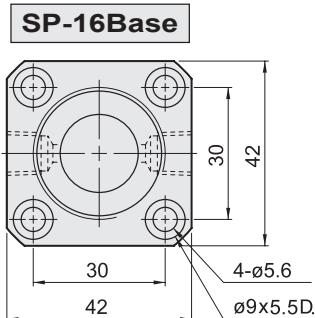
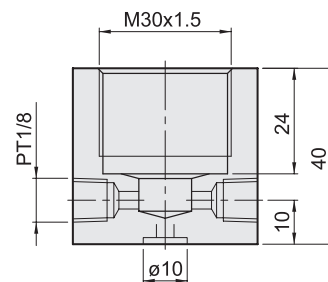
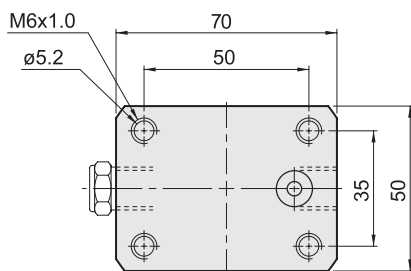
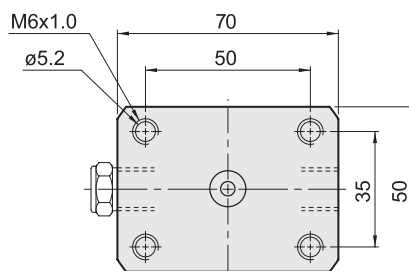
- A Type: A spring ejecting type. The supporting bar is located at the highest position. The spring controls contact force when the workpiece is contacting the supporting bar. The hydraulic power actuates oil feeding for tightening the shaft, producing a supporting force.
- B Type: A hydraulic ejecting type. The supporting bar is located at the lowest position. The hydraulic power actuates oil feeding for ejecting. The spring controls contact force against the workpiece. The hydraulic power then tighten the shaft to produce a supporting force.

Notice

- The supporting nut on the SP-16 and LSP-16 can be replaced as shown on the figure right. An O ring provided on the neck is used for sealing the center hole of supporting bar. The O ring must be fitted, which should not be thrown away.
- When the LSP-16 uses the same single acting hydraulic cylinder with other jigs, the circuit for the supporting bar should be controlled individually when applying for the same jig.



5119# **SP 高壓支撐缸**
High Pressure Supporting Cylinder



Line type	SP-25A
Manifold	SP-M25A

Line type	SP-25B
Manifold	SP-M25B

Item	Model	HSP-16A1	HSP-16A2	HSP-16B1	HSP-16B2	HSP-25A	HSP-25B
頂桿直徑 Rod size	mm	φ 16				φ 25	
頂桿行程 Rod stroke	mm	8				12	
最小操作壓力 Min. pressure		100Kg/cm ²					
頂桿接觸工件力量 Rod force of touching work-piece		Min=0.8Kg	Max=1.3Kg	Min=1Kg	Max=2.3Kg	Min=3Kg Max=5Kg	
理論支撐力 Supporting force	500Kg/cm ²	650Kg	950Kg	650Kg	950Kg	2000Kg	
A	mm	80.5	90.5	72.5	82.5	113	101
B	mm	79	89	71	81	94	94
C	mm	54	64	54	64	72	72

5120# TC 螺栓式單動油壓缸 Threaded-Body Single Acting Hydraulic Cylinder

產品簡介

- 螺栓式單動油壓缸採用進口油封及零件，高壓夾持中保持長時間不漏油。
- 螺栓式單動油壓缸體積小，使用於夾具上，能在最小空間中排列使用。
- 此型式油壓缸使用於頂出場合，彈簧退回，無法使用於拉式場合。
- 安裝時頂桿與工件接觸角度請勿大於 10° 。
- 缸體底部需置放1只鎖緊防漏墊圈。

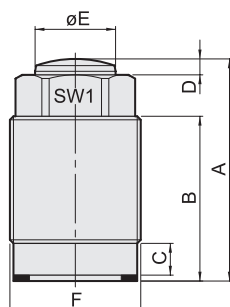
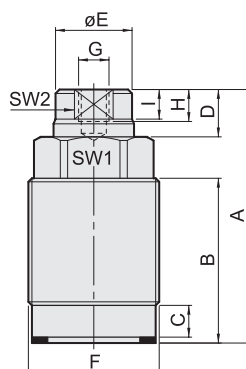
Product Introduction

- The threaded body single acting hydraulic cylinder employs imported oil seal and parts to assure quality dependability, which minimizes oil leakage. No oil leakage during high pressure clamping for a long time.
- Compact construction permits several units operated for clamping in a small space.
- This type of hydraulic cylinder is used for ejecting with return by spring, which can not be used for pulling application.
- When installing, keep the contact angle between the rod and workpiece no larger than 10° .
- A leak-proof gasket is required to place under the bottom of cylinder barrel.

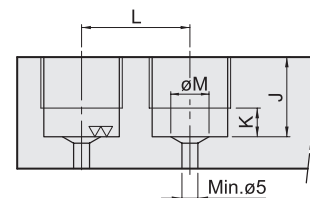


Type:B

Type:A



安裝底座示意圖
Mounting base diagram



Item	Model	TC-12A	TC-16A	TC-20A	TC-25A	TC-12B	TC-16B	TC-20B	TC-25B
頂桿直徑 Rod size	mm	12	16	20	25	12	16	20	25
頂桿行程 Rod stroke	mm	10	12	15	16	10	12	15	16
理論支撐力 Supporting force	100Kg/cm ²	110	200	300	490	110	200	300	490
	500Kg/cm ²	570	1000	1570	2460	570	1000	1570	2460
彈簧回復力量 Spring restoring force	Min Kg	2.5	5	7	12	2.5	5	7	12
最小操作壓力 Min. pressure	Kg/cm ²	10	10	10	10	10	10	10	10
需油量 Oil needed	cc/10mm stroke	1.13	2.01	3.14	4.91	1.13	2.01	3.14	4.91
A		38	46.5	56	59.5	45	52.5	65.5	68.5
B		25	33	42	44.5	25	33	42	44.5
C		7	8	8	11	7	8	8	11
D		3	3.5	4	5	10	9.5	13.5	14
E		ø 12	ø 16	ø 20	ø 25	ø 11	ø 15	ø 19	ø 23
F		M22×1.5	M26×1.5	M30×1.5	M38×1.5	M22×1.5	M26×1.5	M30×1.5	M38×1.5
G		-	-	-	-	M6×1.0	M6×1.0	M8×1.25	M8×1.25
H		-	-	-	-	6	6	8	8
I		-	-	-	-	6.5	5.5	6	7
J	Min/Max	16/24	20/32	24/41	28/44	16/24	20/32	24/41	28/44
K	Max	8	9	9	11	8	9	9	11
L	Min	31	34	40	52	31	34	40	52
M	Min/Max	9/12	12/16	16/24	18/25	9/12	12/16	16/24	18/25
SW1		17	22	24	32	17	22	24	32
SW2		-	-	-	-	10	13	17	19

5121# HTB 薄型油壓缸 Hydraulic thin-type Cylinder

產品簡介

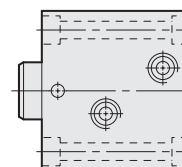
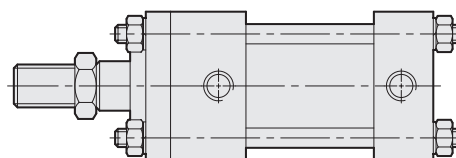
- 體積小，節省空間，安裝空間受限制的最佳選擇。
- 標準化規格，直接安裝，不需其它配件，降低成本。
- 缸體材質採用機械構造用炭素鋼，內壁特殊加工處理，表面光滑，使用壽命長。
- 軸向，側向油路板型，免配管提升整體美觀。

Product Introduction

- Compact construction for space saving. Ideal for application in a restricted space.
- Standardized specifications. Direct installation without need of any further accessories for saving cost.
- The cylinder barrel is manufactured from structural carbon steel. Internal wall is specially treated, featuring maximum smoothness and long service life.
- Axial and side manifold type eliminate the use of piping for upgrading appearance elegance.

傳統油缸與薄型缸總長度之比較

A comparison of length between the traditional hydraulic cylinder and thin type cylinder.



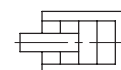
特性資料 Specifications

"安裝型式 Installation"	軸向 Axial	SD單軸；SW雙軸 Single end rod SD；Double end rod SW
	側向 Side	LA單軸；LW雙軸 Single end rod LA；Double end rod LW
操作壓力範圍	Operation pressure range	5-140 kg/cm ²
使用速度範圍	Operation speed range	8-100 mm/sec
使用溫度範圍	Operation temperature range	-10~ + 60°C
使用流體	Fluid	已濾清之標準液壓油 Filtered hydraulic oil
動作方式	Acting type	複動式 Double acting
油缸本體材質	Material of cylinder barrel	炭素鋼 Carbon steel

理論出力表 Clamping force

F1: 推出 Push out

F2: 拉入 Pull in



UNIT:kg

油缸內徑 Bore of cylinder (mm)	活塞桿徑 Piston-rod (mm)	受壓面積 Pressure area (cm ²)		操作壓力 Operation pressure (kg/cm ²)									
				10		35		70		100		140	
		F1	F2	F1	F2	F1	F2	F1	F2	F1	F2	F1	F2
φ 20	φ 12	3.14	2.01	31	20	110	71	220	141	314	201	440	281
φ 25	φ 14	4.91	3.37	49	34	172	118	344	236	491	337	687	472
φ 32	φ 20	8.04	4.9	80	49	281	172	563	343	804	490	1126	686
φ 40	φ 25	12.57	7.66	126	77	440	268	880	536	1257	766	1760	1072
φ 50	φ 30	19.64	12.57	196	126	687	440	1375	880	1964	1257	2750	1760
φ 63	φ 35	31.17	21.55	312	216	1091	754	2182	1509	3117	2155	4364	3017
φ 80	φ 45	50.27	34.37	503	344	1759	1203	3519	2406	5027	3437	7038	4812

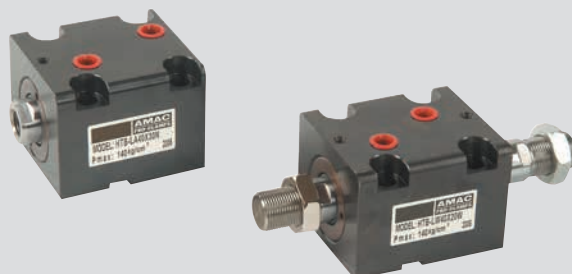
5121# HTB 薄型油壓缸 Hydraulic thin-type Cylinder

SD 軸向安裝型(單軸) $\phi 20-\phi 80$
SD Axial Mounting Type (Single End Rod)



SW 軸向安裝型(雙軸) $\phi 32-\phi 80$
SW Axial Mounting Type (Double End Rod)

LA 側向安裝型(單軸) $\phi 32-\phi 63$
LA Side Mounting Type (Single End Rod)



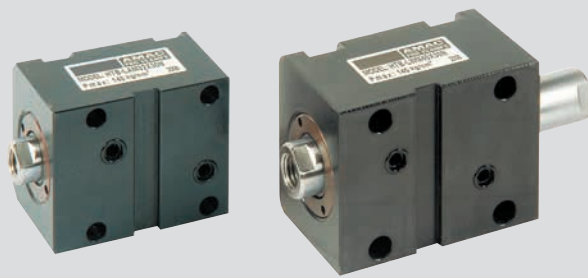
LW 側向安裝型(雙軸) $\phi 32-\phi 63$
LW Side Mounting Type (Double End Rod)

SDM-A 軸向前油路板型 $\phi 20-\phi 80$
SDM-A Axial Front Manifold Type



SDM-B 軸向後油路板型 $\phi 20-\phi 80$
SDM-B Axial Back manifold Type

LAM 側向油路板型(單軸) $\phi 32-\phi 63$
LAM Side Manifold Type (Single End Rod)



LWM 側向油路板型(雙軸) $\phi 32-\phi 63$
LWM Side manifold Type (Double End Rod)

價格表 SDMA, SDMB, SW, LW, LAM, LWM, 價格另議

Stroke	Type Bore	SD		SD				LA				LAM LWM			
	φ 20	φ 25	φ 32	φ 40	φ 50	φ 63	φ 80	φ 32	φ 40	φ 50	φ 63	φ 32	φ 40	φ 50	φ 63
5												--	--	--	--
10												•	•	•	•
15												--	--	--	--
20												•	•	•	•
25												--	--	--	--
30												•	•	•	•
40												•	•	•	•
50												•	•	•	•

5122# HTB 薄型油壓缸 SD.SW

Hydraulic thin-type Cylinder - SD.SW

訂購標示法 Ordering Code

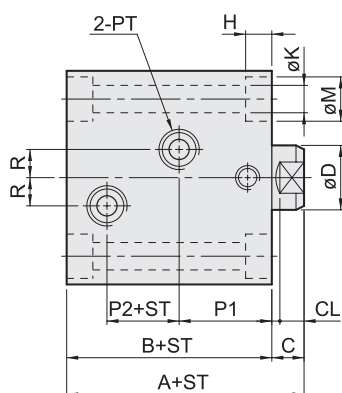
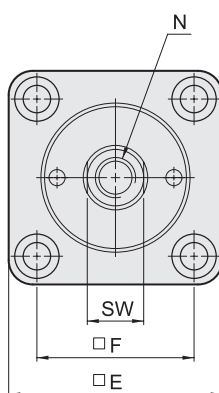
HTB - SD 32 × 20 N

↑ ↑ ↑ ↑ ↑

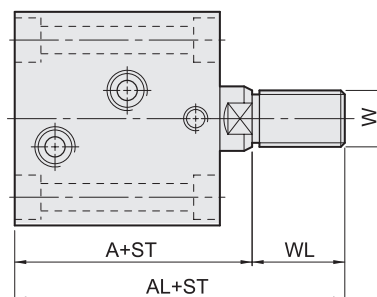
1 2 3 4 5

1	系列別 Series	HTB
2	安裝型式 Mounting type	SD 軸向單軸 Single end rod type SW 軸向雙軸 Double end rod type
3	油缸內徑 Bore of cylinder	ø20. ø25. ø32. ø40. ø50. ø63. ø80
4	標準行程 Standard stroke	請參考行程規格表 Please refer to the stroke specification
5	軸端型式 Rod end type	內牙N: Female thread N 外牙W: Male thread W

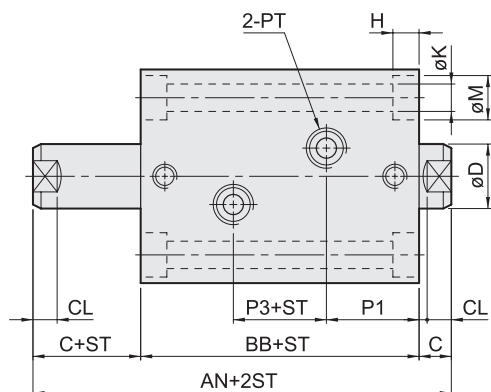
SD-N



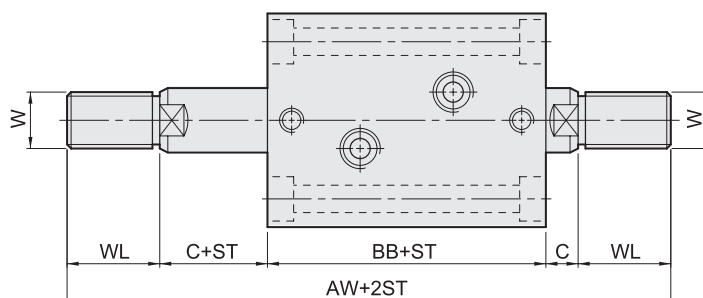
SD-W



SW-N



SW-W



ST=Stroke

Dimensional table

ø20.ø25右列行程之本體長度B尺寸相同 (5,10) (15,20) (25,30)
ø20.ø25 The length "B" of cylinder body is the same of the stroke:(5,10) (15,20) (25,30)

Bore	A	AL	AN	AW	B	BB	C	CL	D	SW	E	F	H	K	M	N	W	WL	P1	P2	P3	R	PT
ø20	51	71	-	-	43	-	8	6	12	10	42	30	5.5	5.6	9	M8×1.25×12D.	M10×1.25	20	22.5	11	-	5	1/8
ø25	53	75	-	-	45	-	8	6	14	12	48	36	5.5	5.6	9	M10×1.5×15D.	M12×1.25	22	23	12	-	5	1/8
ø32	64	89	89	139	54	69	10	7	20	17	62	47	5.6	6.8	11	M12×1.75×15D.	M16×1.5	25	28	14	13	10	1/4
ø40	65	95	90	150	55	70	10	7	25	22	70	52	9	9	14	M16×2.0×20D.	M22×1.5	30	28	15	14	10	1/4
ø50	71	106	97	167	60	75	11	8	30	27	80	58	11	11	18	M20×2.5×25D.	M26×1.5	35	29.5	18	16	10	1/4
ø63	80	120	108	188	67	82	13	10	35	32	94	69	13	13	20	M27×3.0×35D.	M30×1.5	40	31	20	20	10	3/8
ø80	95	140	127	217	78	93	17	14	45	41	114	86	15	15	22	M30×3.5×35D.	M39×1.5	45	33	27	27	15	3/8

5123# HTB 油路板型油壓缸 SDMA. SDMB

Manifold Type Hydraulic Cylinder - SDMA. SDMB

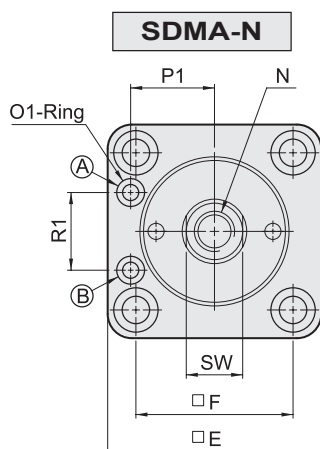
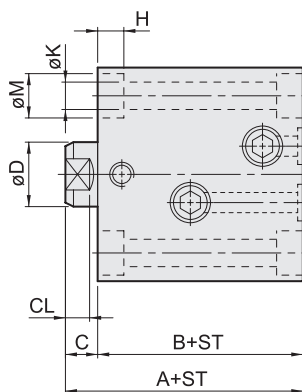
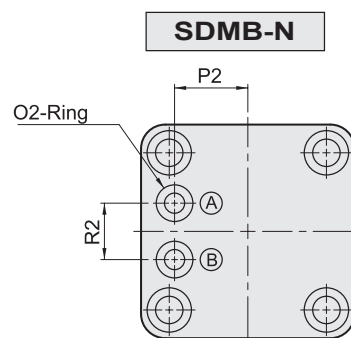
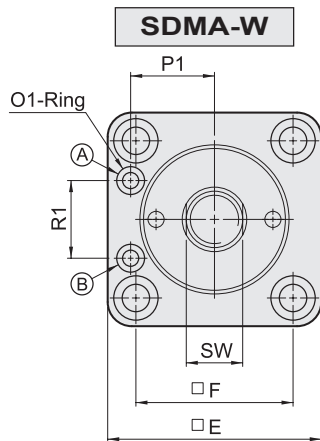
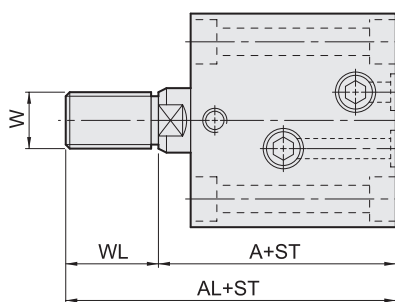
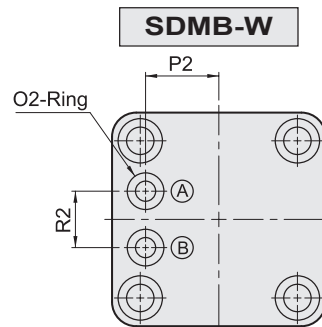
訂購標示法 Ordering Code

HTB — SDMA 32 × 20 N

↑ ↑ ↑ ↑ ↑

1 2 3 4 5

1	系列別 Series	HTB
2	安裝型式 Mounting type	SDMA 軸向前油路板型 Axial front manifold type SDMB 軸向後油路板型 Axial back manifold type
3	油缸內徑 Bore of cylinder	ø20 .ø25 .ø32. ø40. ø50. ø63. ø80
4	標準行程 Standard stroke	請參考行程規格表 Please refer to the stroke specification
5	軸端型式 Rod end type	內牙 N: Female thread N 外牙 W: Male thread W



ST=Stroke

(A)	推出油孔 Push out
(B)	拉入油孔 Pull in

Dimensional table

ø20.ø25右列行程之本體長度B尺寸相同 (5,10) (15,20) (25,30)

ø20.ø25 The length "B" of cylinder body is the same of the stroke:(5,10) (15,20) (25,30)

Bore	A	AL	B	C	CL	D	SW	E	F	H	K	M	N	W	WL	SDMA			SDMB		
																P1	R1	O1	P2	R2	O2
ø20	51	71	43	8	6	12	10	42	30	5.5	5.6	9	M8×1.25×12D.	M10×1.25	20	16.5	13	P4	13	11	P5
ø25	53	75	45	8	6	14	12	48	36	5.5	5.6	9	M10×1.5×15D.	M12×1.25	22	19.5	18	P4	15	13	P7
ø32	64	89	54	10	7	20	17	62	47	6.5	6.8	11	M12×1.75×15D.	M16×1.5	25	24	24	P6	20	20	P9
ø40	65	95	55	10	7	25	22	70	52	9	9	14	M16×2.0×20D.	M22×1.5	30	27	26	P6	24	20	P9
ø50	71	106	60	11	8	30	27	80	58	11	11	18	M20×2.5×25D.	M26×1.5	35	32	27	P8	29	20	P9
ø63	80	120	67	13	10	35	32	94	69	13	13	20	M27×3.0×35D.	M30×1.5	40	38	35	P8	35	26	P11
ø80	95	140	78	17	14	45	41	114	86	15	15	22	M30×3.5×35D.	M39×1.5	45	47	45	P11	44	30	P11

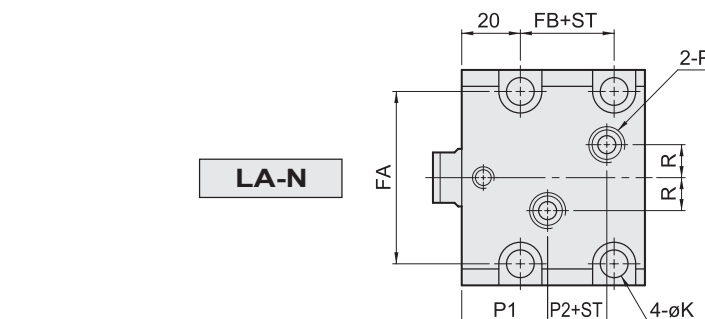
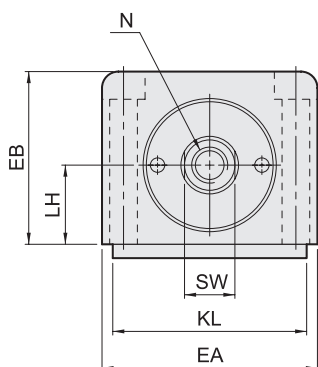
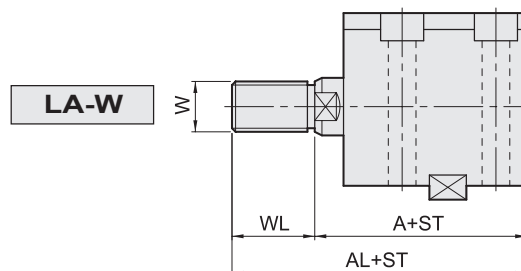
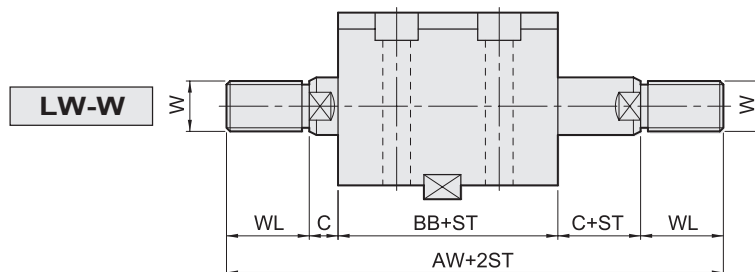
5124# HTB 薄型油壓缸 LA. LW

Hydraulic thin-type Cylinder - LA. LW

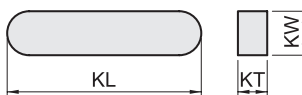
訂購標示法 Ordering Code

HTB	-	LA	32	×	20	N
1		2	3		4	5

1	系列別 Series	HTB
2	安裝型式 Mounting type	LA 側向單軸 Single end rod type LW 側向雙軸 Double end rod type
3	油缸內徑 Bore of cylinder	ø32. ø40. ø50. ø63.
4	標準行程 Standard stroke	10. 20. 30. 40. 50
5	軸端型式 Rod end type	內牙N: Female thread N 外牙W: Male thread W



KEY



ST=Stroke

Key size

UNIT:mm

Bore	KW	KT	KL	KA	KB
ø32	12	8	63	28	4.5
ø40	12	8	70	28	4.5
ø50	14	9	80	29	5
ø63	16	10	100	31	5.5

Dimensional table

右列行程之本體長度B及BB尺寸相同 (5,10) (15,20) (25,30) (35,40) (45,50)
The length "B" and "BB" of cylinder body is the same of the stroke: (5,10) (15,20) (25,30) (35,40) (45,50)

Bore	A	AL	AN	AW	B	BB	C	CL	D	SW	EA	EB	LH	FA	FB	FF	H	K	M	N	W	WL	P1	P2	P3	R	PT
ø32	64	89	89	139	54	69	10	7	20	17	70	56	25	56	24	32	9	9	14	M12×1.75×15D.	M16×1.5	25	28	14	13	10	1/4
ø40	65	95	90	150	55	70	10	7	25	22	80	64	29	62	23	32	11	11	18	M16×2.0×20D.	M22×1.5	30	28	15	14	10	1/4
ø50	71	106	97	167	60	75	11	8	30	27	94	74	34	74	27	35	13	13	20	M20×2.5×25D.	M26×1.5	35	29.5	18	16	10	1/4
ø63	80	120	108	188	67	82	13	10	35	32	114	89	42	90	32	42	15	15	22	M27×3.0×35D.	M30×1.5	40	31	20	20	10	3/8

5125# HTB 油路板型油壓缸 LAM. LWM

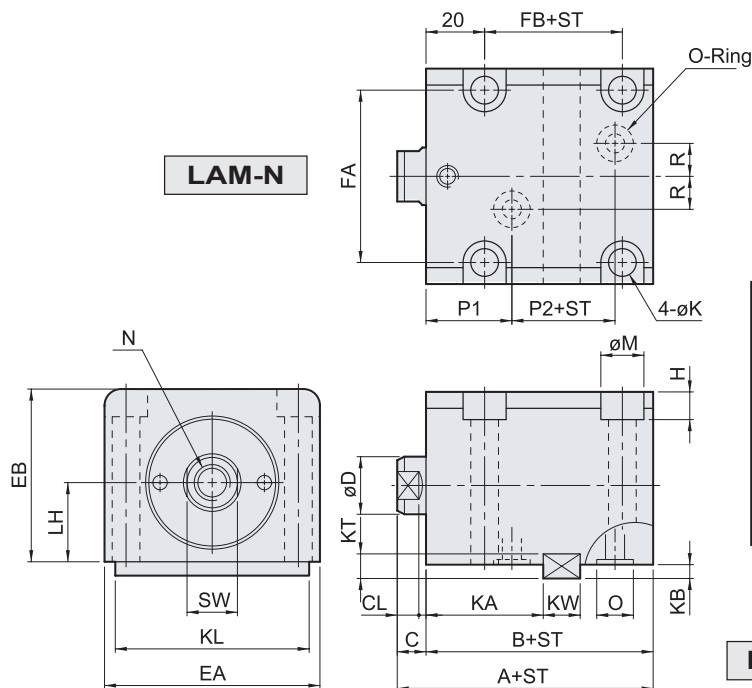
Manifold Type Hydraulic Cylinder - LAM. LWM

訂購標示法 Ordering Code

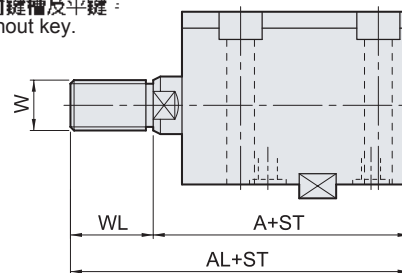
HTB	-	LAM	32	×	20	N
1		2	3	4	5	

1	系列別 Series	HTB
2	安裝型式 Mounting type	LAM 側向單軸 Single end rod type LWM 側向雙軸 Double end rod type
3	油缸內徑 Bore of cylinder	ø32. ø40. ø50. ø63
4	標準行程 Standard stroke	10. 20. 30. 40. 50
5	軸端型式 Rod end type	內牙 N: Female thread N 外牙 W: Male thread W

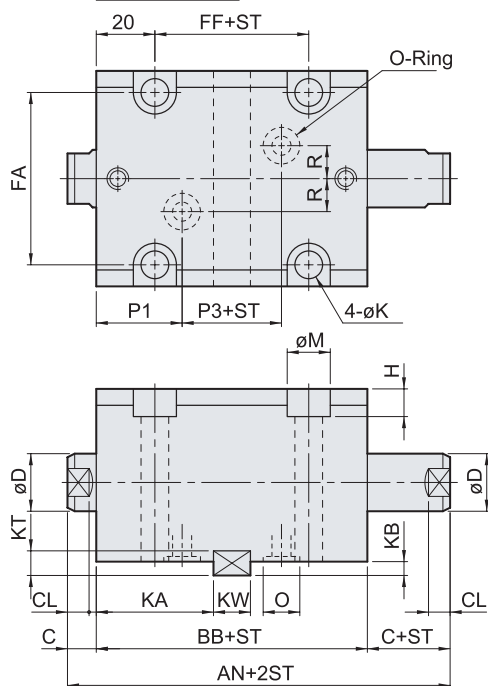
註行程10mm 無附鍵槽及平鍵 :
Stroke: 10mm without key.



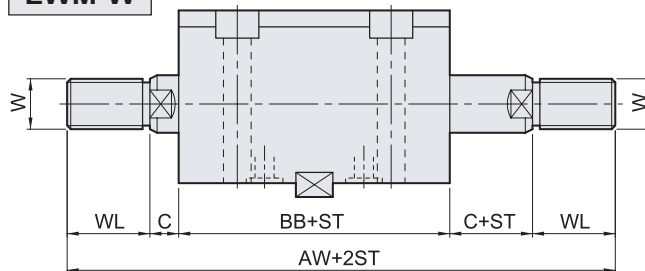
LAM-W



LWM-N



LWM-W



KEY



ST=Stroke

Key size

UNIT:mm

Bore	KW	KT	KL	KA	KB
ø32	12	8	63	38	4.5
ø40	12	8	70	38	4.5
ø50	14	9	80	40	5
ø63	16	10	100	42	5.5

Dimensional table

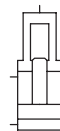
右列行程之本體長度B及BB尺寸相同 (5, 10)(15, 20)(25, 30)(35, 40)(45, 50)
The length "B" and "BB" of cylinder body is the same of the stroke: (5, 10)(15, 20)(25, 30)(35, 40)(45, 50)

Bore	A	AL	AN	AW	B	BB	C	CL	D	SW	EA	EB	LH	FA	FB	FF	H	K	M	N	W	WL	P1	P2	P3	R	O
ø32	64	89	89	139	54	69	10	7	20	17	70	56	25	56	24	32	9	9	14	M12×1.75×15D.	M16×1.5	25	28	14	13	10	P9
ø40	65	95	90	150	55	70	10	7	25	22	80	64	29	62	23	32	11	11	18	M16×2.0×20D.	M22×1.5	30	28	15	14	10	P9
ø50	71	106	97	167	60	75	11	8	30	27	94	74	34	74	27	35	13	13	20	M20×2.5×25D.	M26×1.5	35	29.5	18	16	10	P11
ø63	80	120	108	188	67	82	13	10	35	32	114	89	42	90	32	42	15	15	22	M27×3.0×35D.	M30×1.5	40	31	20	20	10	P11

5126# HB 油壓增壓器 TC. SP 用低壓轉高壓 Hydraulic Booster

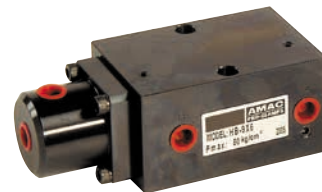
產品簡介

- 本產品機構內附油壓順序閥，預壓式特性操作時可將作動缸充滿油，達到預先設定之壓力順序閥動作，即可獲得倍數增壓。
- 適用於油壓專用機，MC 治具低壓迴路中，部份油壓缸需高壓操作之場合，僅需一只電磁閥或安裝於管路中，即可操作HB增壓器，可將低油壓自動轉換成高油壓，獲得高壓夾持。

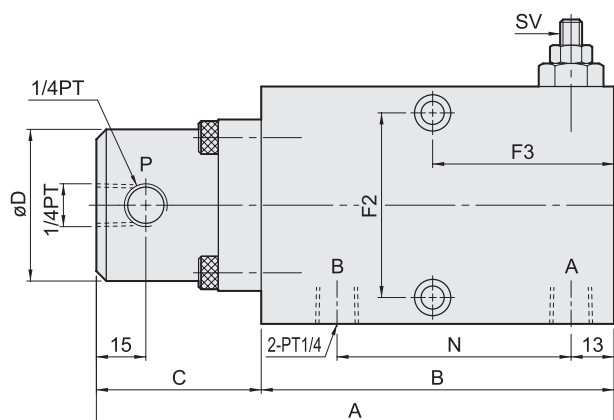
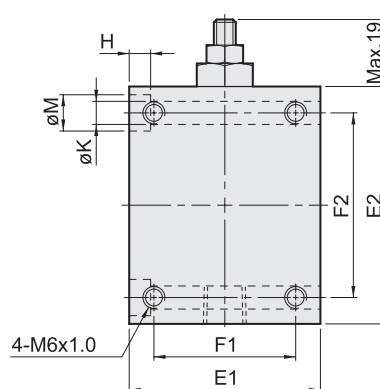


Product Introduction

- A hydraulic sequential valve is attached to the structure of this unit. When operating, it may oil to cylinder and makes it be at the dual pressure and let the sequential valve act, and then it will provide multiple boosting pressure.
- It's fit for hydraulic special purpose machine and MC clamp in low pressure circuit, It needs a solenoid valve installed in the circuit, and then it will be able to operate HB super-charger. The super-charger may be converted automatically from low oil-pressure to high oil-pressure and obtain a high pressure clamping.

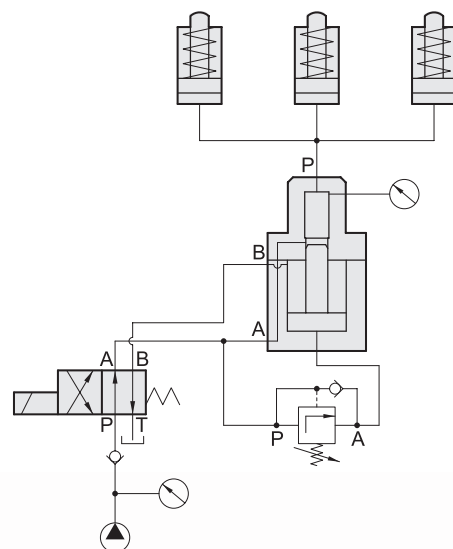


最高操作壓力50kg/cm²
Max. operation pressure



迴路 Circuit diagram

Model	HB-9×6	HB-8×22	HB-5×35	HB-3.8×45
增高倍出 Multiple boost	9	8	5	3.8
高壓吐出量 High pressure output	6cc	22cc	35cc	45cc
A	157		210	
B	107		139	
C	50		71	
D	φ46		φ58	
E1	58		82	
E2	72		100	
F1	43		62	
F2	56		80	
F3	55		70	
H	7		9	
K	φ7		φ9	
M	φ11		φ14	
N	71		96	



5127# SV 油壓順序閥 Hydraulic Sequence Valve

產品簡介

- 此型式油壓順序閥，特別適用於夾具迴路，由壓力決定油壓缸之順序動作，體積小，耐高壓，安裝於迴路中，不需其他控制，即可得到順序動作確實之效果。
- 本產品提供A: 油路板型B: 配管型兩種型式，可依夾具整體設計安裝方式需要作適當選擇。

Product Introduction

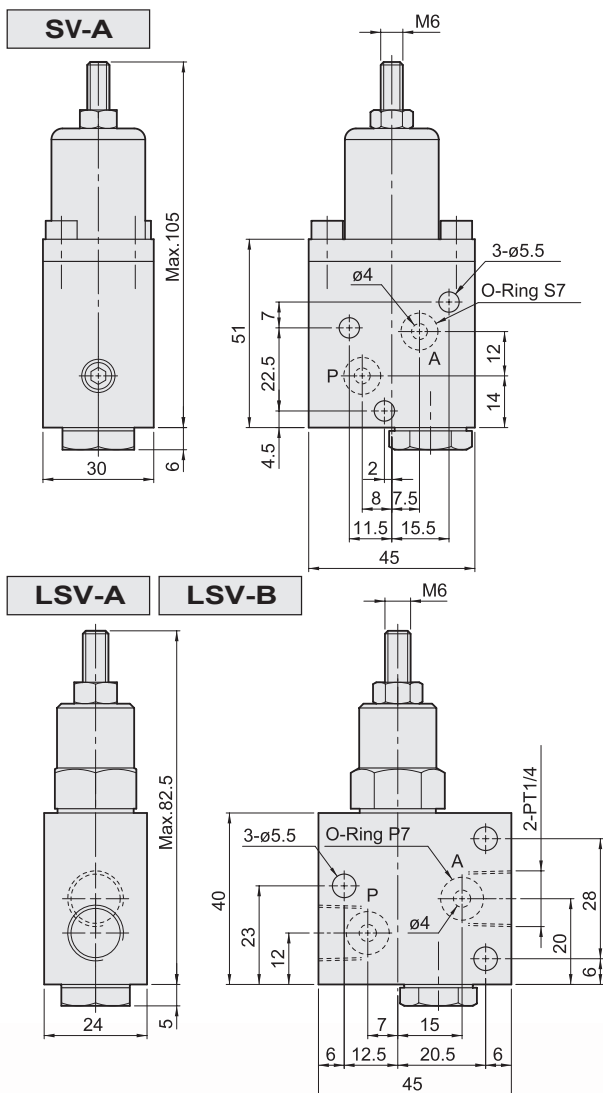
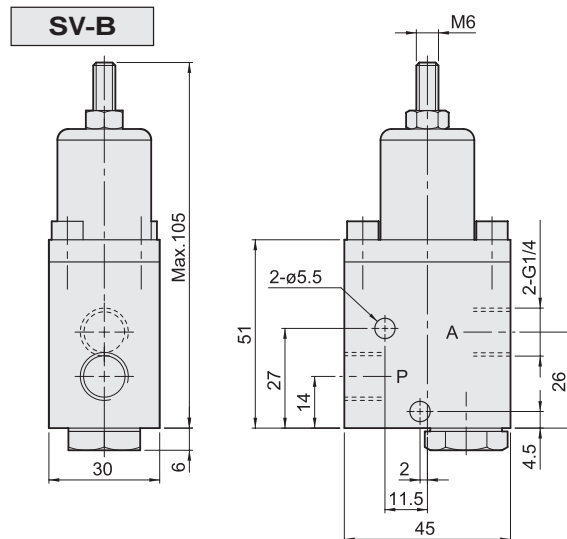
- The series of hydraulic sequence valve is especially ideal for fitting on the circuit of fixture. The hydraulic cylinder motion sequences are decided by the pressure. The sequence valve features compact construction and high pressure resistance. It requires no further control when fitting on the circuit, and provides a positive sequential motion control.
- The series provides two types of mounting type for choice. A type is a manifold mounting type and B type is a line mounting type. You get a flexible choice of mounting types to suit your fixture design.



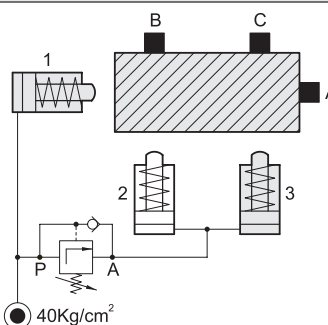
型式與壓力調整範圍

Type and Pressure Range

油路板型	Manifold type	配管式	Line type	價格
LSV-A	10-70Kg/cm ²	LSV-B	10-70Kg/cm ²	
HSV-A1		HSV-B1		
HSV-A2	50-350Kg/cm ²	HSV-B2	50-350Kg/cm ²	



迴路 Circuit diagram



油壓缸1將工件推向A. 壓力達到SV設定40kg/cm² :

油壓缸2,3同時將工件推向B,C, 獲得順序夾持動作 :

The hydraulic cylinder 1 pushes workpiece to A. The pressure reaches to the setting value 40kg/cm² on SV.

The hydraulic cylinders 2 and 3 push workpiece to B and C to provide sequential clamping motion.

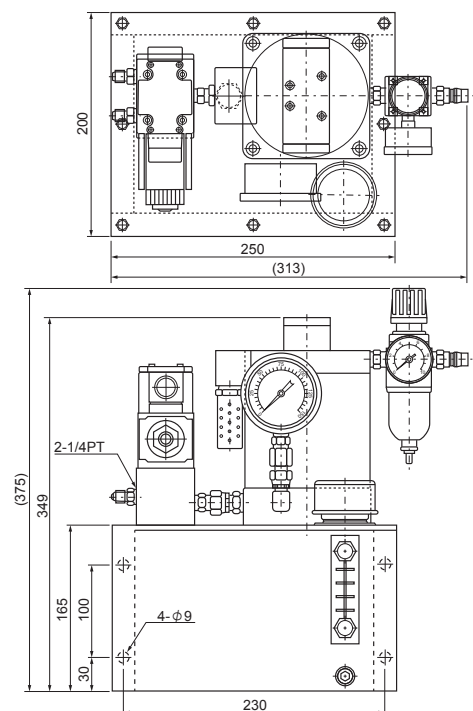
5128# 氣動增壓泵浦 Air Drive Booster Pump

- 最大操作壓力 6kg/cm² ● Max. pressure: 6kg/cm²



1. 利用空氣壓驅動增壓泵浦，輸出油壓壓力，作為油壓缸之動力源，流量大於一般增壓器，連續式增壓，作動缸無增壓行之限制。
2. 以空氣調壓閥調整壓力，達到增壓倍數即停止驅，油壓壓降時，泵浦將會自動補償，特別適用於長時間油壓夾持，省能源，不產生油溫，經濟方便。
3. A型：安裝ISO規格油路板及電磁閥，適用於單動或複動油壓缸，可依實際需要追加電磁閥。
4. B型：附配管座P.T孔，可連接油壓手動閥操作。
5. 雙泵浦安裝組合可選購增壓比，特別適用於低壓與高壓同時使用之夾治具。

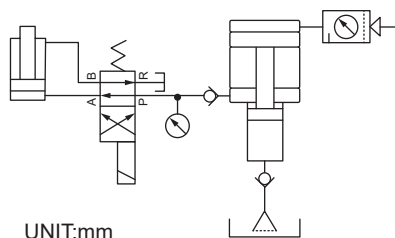
外型尺寸 Outer size



特色資料 Specification

使用流體 Fluid	已濾清之壓縮空氣 Filtered air			
使用壓力範圍 The range of operation pressure	1-6 kg/cm ²			
增壓比 Boost pressure rate	6:1	10:1	25:1	44:1
空壓供給 Air pressure supply 5kg/cm ² 油壓吐出量 Hydraulic fluid expelled l/min	16	10	4.5	2.8
油箱容量 Oil tank capacity	單泵浦 Single pump51,			
使用液壓油 Oil	ISO-VG68			

迴路圖 Circuit diation



① 系列別 Series	ABP	
② 增壓比 Boost pressure rate	6, 10, 25, 44	
③ 控制型式 Control type	A	ISO規格油路板，電磁閥ISO manifold, magnet valve
	B	配管座P, T孔 Distributing tube seat P.T. port
④ 控制迴路 Control circuit	電磁閥個數 Magnet valve	
⑤ 線圈型式 Coil type	AC110V, AC220V, AC380V, DC12V, DC24V	

訂購規格 How to order:

ABP — 10 A 1 X AC110V

① ② ③ ④ ⑤

Model	增壓比
ABP-6	6:1
ABP-10	10:1
ABP-25	25:1
ABP-44	44:1

5129# 美國白馬穩速器 DESCHNER KINECHEK SPEED REGULATOR

- 美國白馬Slimline系列液壓穩速器產品提供了12.7mm, 25.4mm, 50.8mm與76.2mm行程，最高支援5450N推力。KINECHEK專利的雙層起伏式密封膠囊設計，已通過1,000萬次使用的耐久測試，保證不會漏油。
- The SLIMLINE KINECHEK speed regulator available in stroke lengths of 12.7mm, 25.4mm, 50.8mm and 76.2mm; all with a 5450 N maximum capacity. KINECHEK rolling diaphragm seals successfully withstand endurance tests of 10,000,000 cycles without leaking.



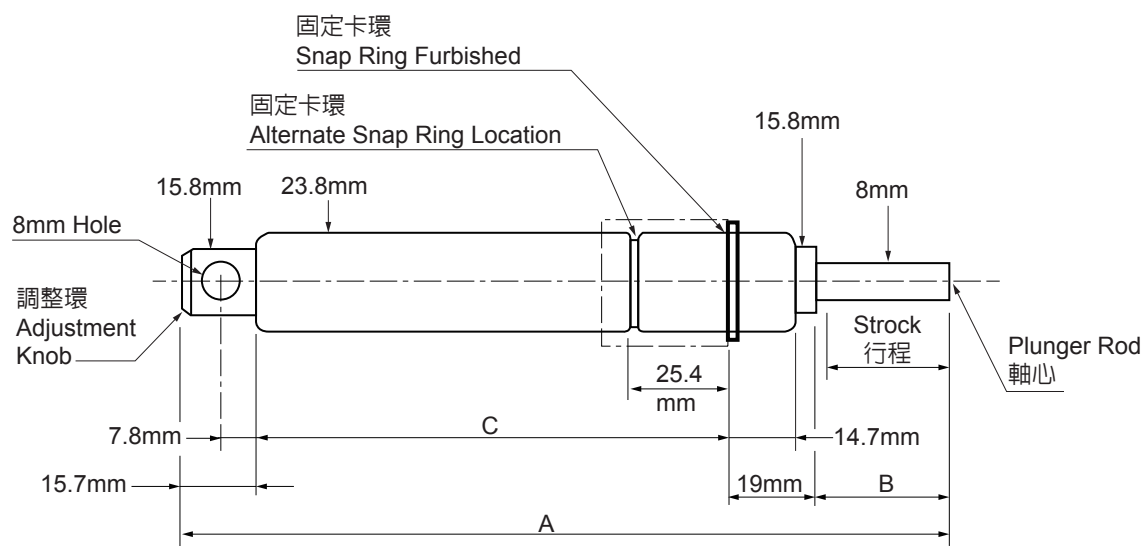
產品規格 SPECIFICATIONS

1	2	3	4	5	6	7		
Model No. 型號	Description 類型	Stroke 行程 (mm)	Minimum Force 最低推力 (N)	Plunger Return Force 軸心回原點推力 (N)	Time for Plunger Return 軸心回原點時間 (sec/秒)	Time for Full Stroke of Plunger at Slowest Adjustment 全行程最慢速度所花費時間 (sec/秒)		
						4400N Load 推力	2200N Load 推力	440N Load 推力
1001-31-1/2	extra fast	12.7	22.7	18	0.015	0.5	1	5
1003-31-1/2	fast	12.7	22.7	18	0.020	4	9	50
1002-31-1/2	standard	12.7	22.7	18	0.031	8	18	150
1004-31-1/2	slow speed	12.7	22.7	18	0.186	38	90	750
1001-31-1	extra fast	25.4	22.7	18	0.030	1	2	10
1003-31-1	fast	25.4	22.7	18	0.041	8	18	100
1002-31-1	standard	25.4	22.7	18	0.063	15	35	300
1004-31-1	slow speed	25.4	22.7	18	0.378	75	180	1500
1001-31-2	extra fast	50.8	22.7	18	0.052	2	5	20
1003-31-2	fast	50.8	22.7	18	0.070	15	35	200
1002-31-2	standard	50.8	22.7	18	0.106	30	70	600
1004-31-2	slow speed	50.8	22.7	18	0.730	150	180	3000
1001-31-3	extra fast	76.2	22.7	18	0.115	3	7	30
1003-31-3	fast	76.2	22.7	18	0.155	23	55	300
1002-31-3	standard	76.2	22.7	18	0.235	45	105	900
1004-31-3	slow speed	76.2	22.7	18	1.620	225	540	4500

5129# 美國白馬穩速器 DESCHNER KINECHEK SPEED REGULATOR

尺寸/重量 DIMENSIONS AND WEIGHTS

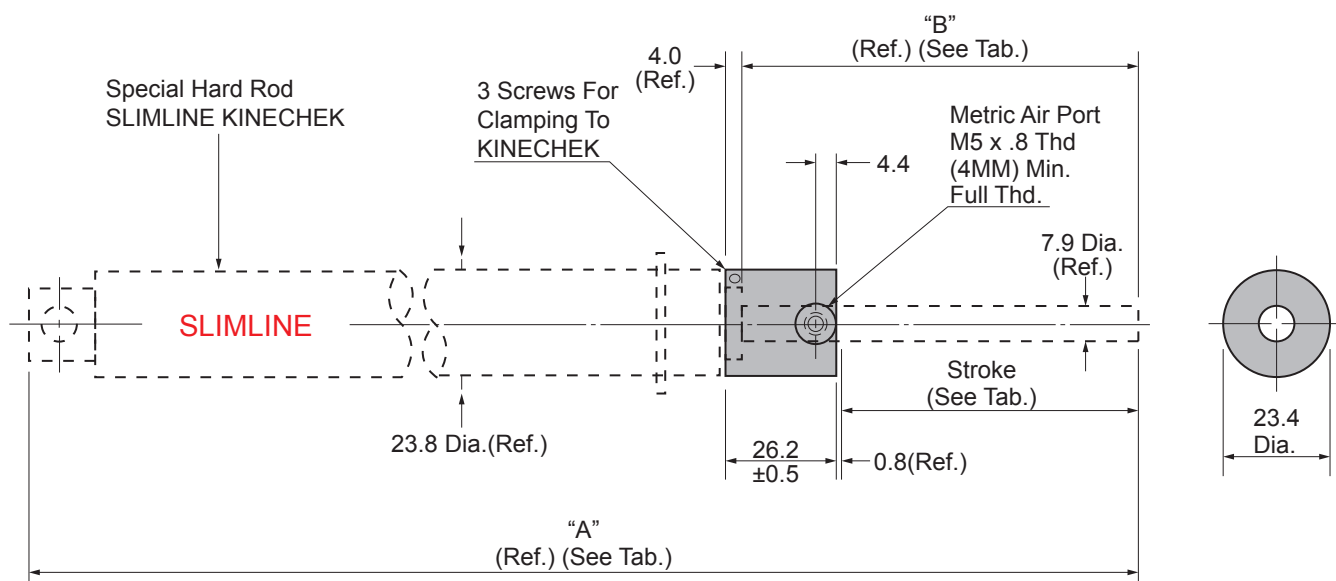
Model No.	Stroke	Weight	A	B	C
1__-31-1/2	12.7 mm	0.34 kg	160.8 mm	17.5 mm	108.7 mm
1__-31-1	25.4 mm	0.40 kg	198.9 mm	30.1 mm	134.1 mm
1__-31-2	50.8 mm	0.52 kg	276.1 mm	55.5 mm	185.7 mm
1__-31-3	76.2 mm	0.62 kg	352.3 mm	81.0 mm	236.5 mm



KINECHEK SLIMLINE (MODEL 1__-)

5130# 美國白馬多段式穩速器 DESCHNER PECKCHEK CONTROLS

- 自動化加工經常須要深孔或堅硬的物體等鑽孔加工，但無法一次完成加工時，就必須分多段鑽孔，為了節省加工時間，PECKCHEK CONTROL 多段式穩速器提供了此類型加工的最佳方案。
- Drilling to a depth of more than three drill diameters often requires peck drilling where the drill is repeatedly withdrawn to remove waste cuttings while being advanced in steps deeper and deeper during each feed movement. KINECHEKS with PECKCHEK CONTROL are designed to operate in this manner.



All dimension in MM. NOTE: Drawings not to scale

A13031 (FOR 1, 2, 3" SLIMLINE KINECHEKS) PECKCHEK COMPATIBLE SLIMLINE KINECHECKS*

Part No.	Model No.	Stroke	A	B
A13031	1202U-31-1	25.4mm	217.2mm	48.5mm
	1202U-31-2	50.8mm	294.4mm	73.9mm
	1202U-31-3	76.2mm	370.6mm	99.3mm

5131# 美國白馬三段式穩速器 DESCHNER SLIMLINE SKIPCHEK

產品規格 SPECIFICATIONS

1 Model No. 型號	2 Stroke 行程 (mm)	3 Minimum Force 最低推力 (N)	4 Plunger Return Force 軸心回原點推力 (N)	5 Time for Plunger Return 軸心回原點時間 (sec/秒)	6 C.F. at Slowest Adjustment 最慢加工行程 (mm/秒)		
					4400N Load 推力	2200N Load 推力	440N Load 推力
100_-31-1/2 (___C.F./ ___F.F.)	12.7	22.7	18	0.031	1.701	0.736	0.083
100_-31-1 (___C.F./ ___F.F.)	25.4	22.7	18	0.063	1.701	0.736	0.083
100_-31-2 (___C.F./ ___F.F.)	50.8	22.7	18	0.106	1.701	0.736	0.083
100_-31-3 (___C.F./ ___F.F.)	76.2	22.7	18	0.235	1.701	0.736	0.083

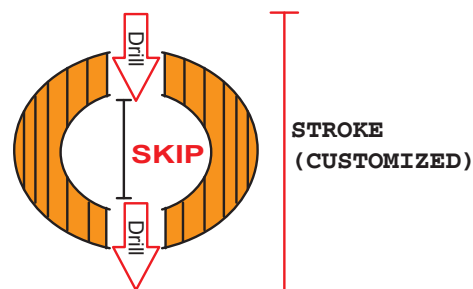
Note: C.F. = controlled feed (穩速行程) and F.F. = fast forward (略過不加工區域).

Dimensions and weight can refer to KINECHEK SLIMLINE models. (尺寸重量請參照標準穩速器型號)

訂購資訊 Order Information

- 1st C.F. = _____ mm (C.F. 行程)
- F.F. = _____ mm (F.F. 行程)
- Total SKIPCHEK stroke = _____ mm. (全行程)
- Drill thrust = _____ kg. (鑽孔推力)
(Default 68 kg. is tested / 預設為68KG推力測試)
- Round tube: ___ Yes ___ No (圓形管)
If Yes: O.D. = _____ mm. (圓管外徑)
Wall thickness = _____ mm (圓管厚度)
If No: Thickness of 1st section = _____ mm (第一段厚度)
Distance between sections = _____ mm (略過區域)
Thickness of 2nd section = _____ mm (第二段厚度)
- Drill Dia. = _____ mm (鑽孔直徑)
Point angle _____ degrees (接觸點角度)
- C.F. Feed Rate = _____ mm./min (進給速度)

TUBE SKIP DRILLING



Note: C.F. transition tolerance is +1.6/-0.0 mm. (C.F. 行程公差)

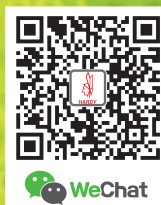
F.F. transition tolerance is +0.0/-1.6 mm. (F.F. 行程公差)



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