

RIGHT ANGLE REDUCER

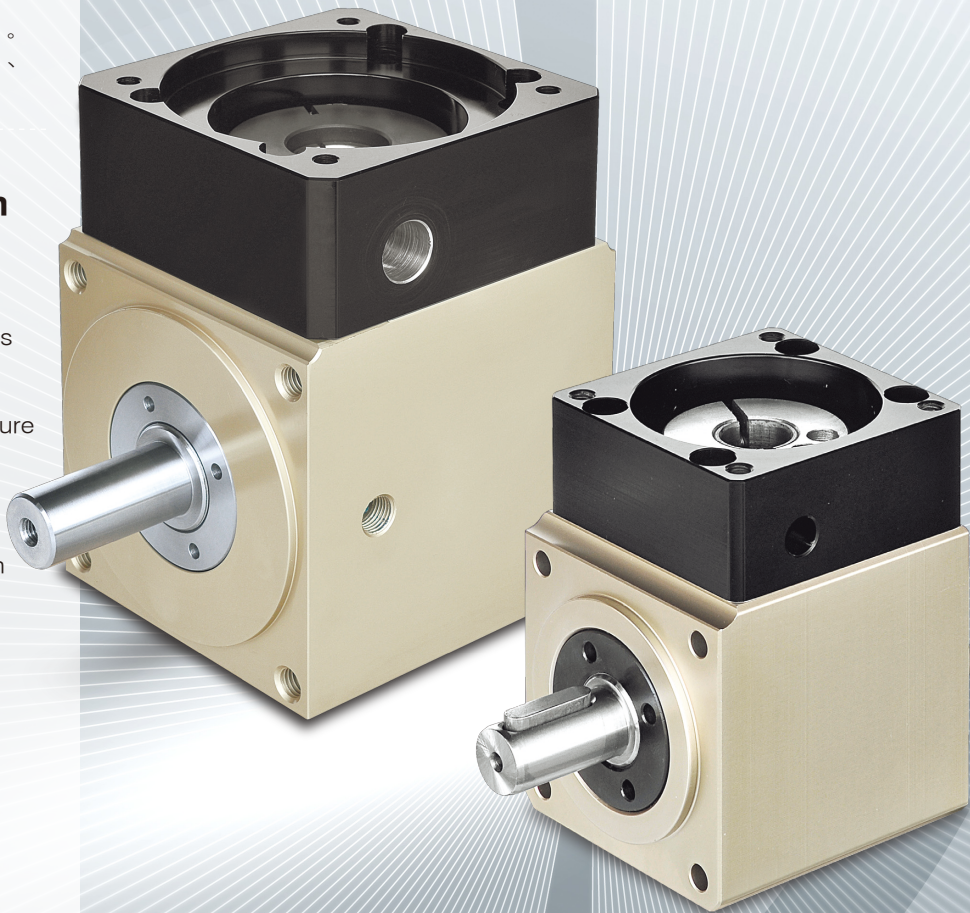
直角減速機

角度旋轉低背隙 小於10秒

- 採用先進六軸精密機械加工，一次裝夾同時加工完成，確保最佳幾何精度。
- 傳動齒輪經精密研磨，運轉低背隙、高精度。
- 精密傳動、寂靜、穩定、順暢。流程：達到精密傳動，低噪音、高剛性等高品質要求。

Low Rotating Backlash Less Than 10 sec.

- The right angle reducer is precision machined on a b-axis controlled machining center, which allows for one-piece machining in one setup to assure the best geometric accuracy.
- The transmission gears are precision ground, providing low rotating backlash and high accuracy.
- Precise transmission, low noise, maximum stability and smoothness.



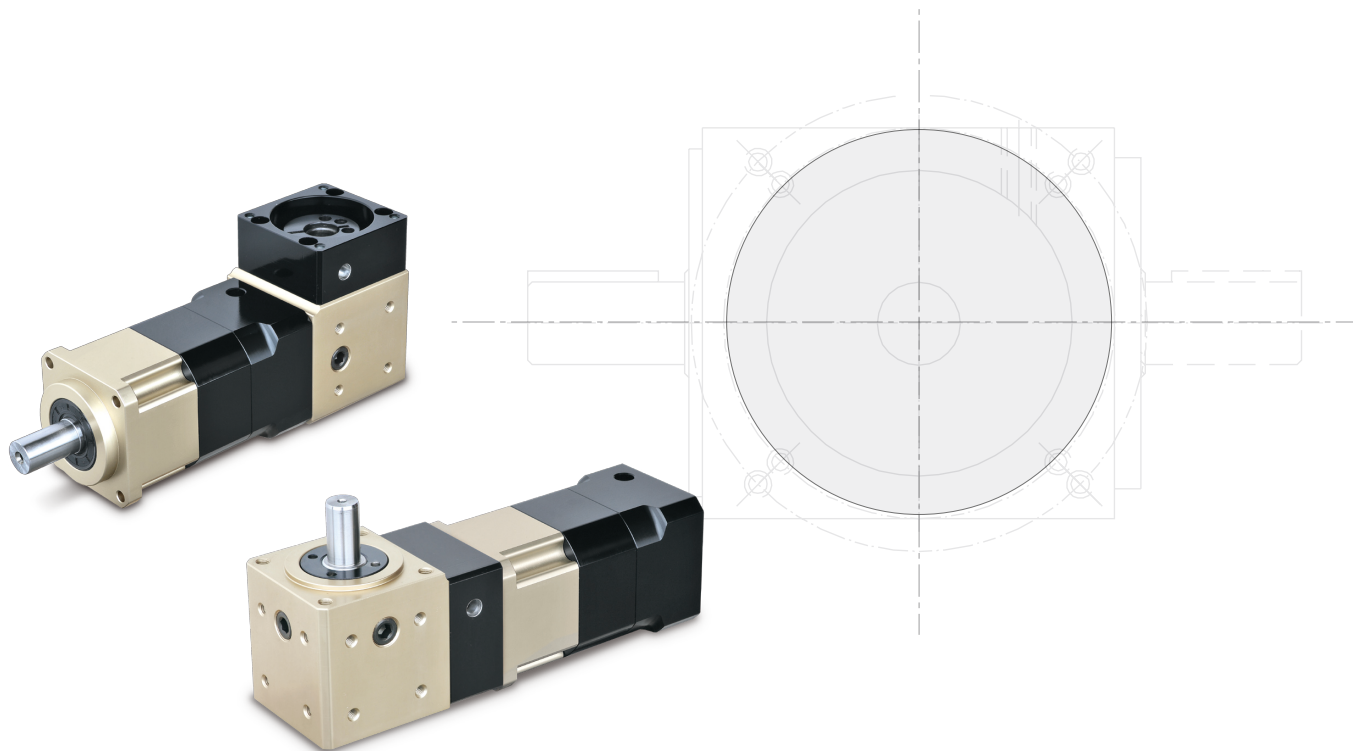
型號識別：Model Identification

AR **42** **I** - **3**
1 2 3 4

1. 減速機類別	Reducer type	直角減速機 Right Angle Reducer			
2. 框號	Frame No.	42 : 42 type	60 : 60 type	90 : 90 type	120 : 120 type
3. 馬達連接形式	Motor connection type	無：本體 No: body	I：行星減速機 I: Planetary reducer	S：行星減速機 S: Planetary reducer	
4. 減速比	Speed reduction ratio	2 : 1:2	3 : 1:3		

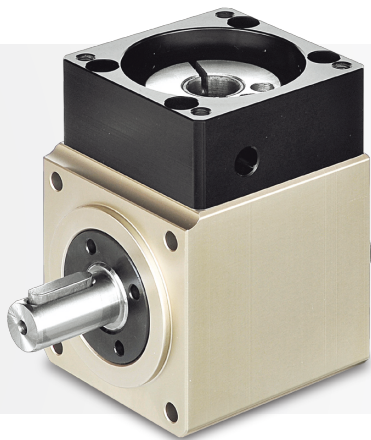
特 性 Features：

- 本體結構紮實、體積小，有效節省安裝空間。
- 雖然體積小、重量輕。但具有高扭矩輸出及低背隙的優異特性。
- 訂購時請告知馬達法蘭及心軸尺寸。
- The reducer body is compactly constructed with small volume to save considerable installation space.
- Although the reducer is small in volume and light in weight, it is capable of providing high torque output and low backlash.
- When ordering, please advise the sizes of flange and shaft of your motor.



AR-42

- 減速比 1 : 3 (單/雙出力軸)
- 減速機背隙 10~15 弧秒 出力轉矩 1.5 kgf.m
- Speed reduction ratio 1 : 3 (Single/double output shaft)
- Backlash of the reducer 10~15 arc seconds. Output torque 1.5 kgf.m



應用範例 Application Examples :

AR42 I

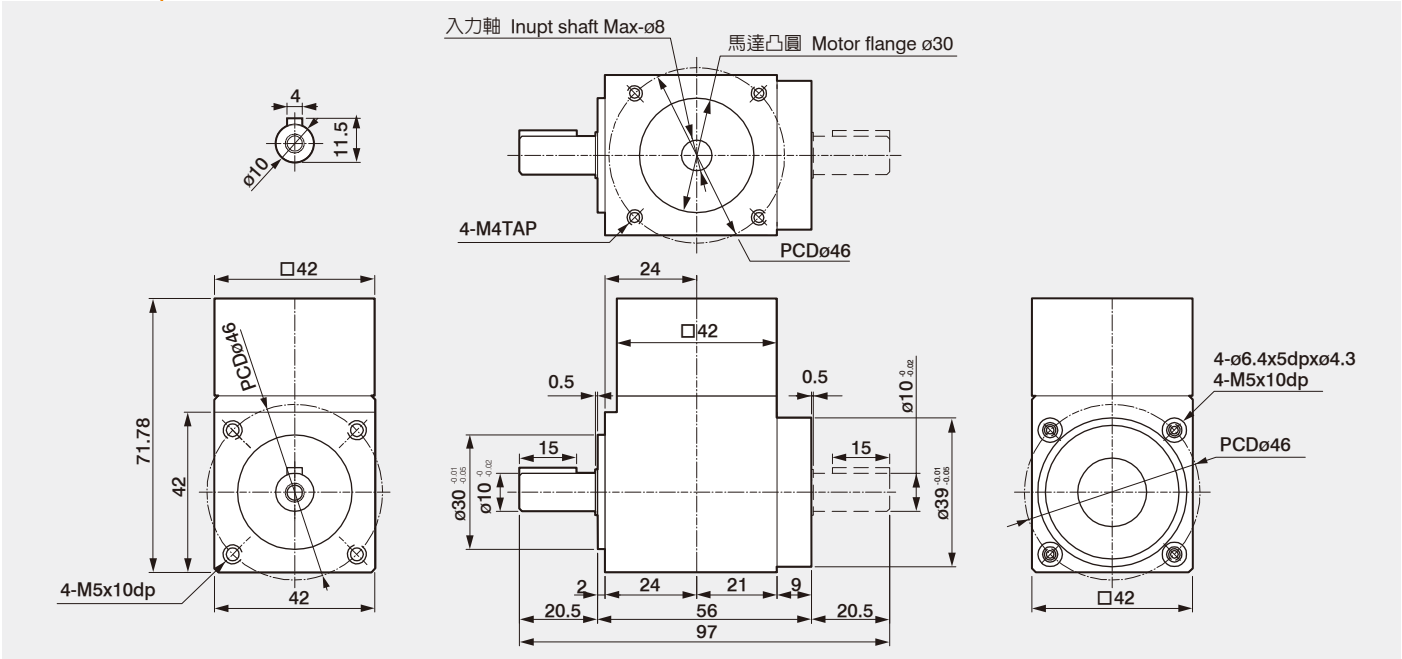


AR42 S



Model	AR42 I	AR42 S
減速比 SPEED RATIO	12, 15, 30 48, 60, 75, 90, 120, 150, 210, 270, 300	12, 15, 30 60, 75, 90, 120, 150, 210, 270, 300

外形尺寸圖 Dimensions :



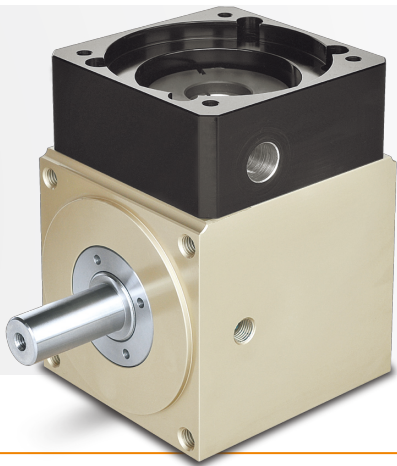
規格表 Specifications :

Model		AR-42
額定輸出轉矩	Continuous output torque	1.5 kgf.m (15 N.m)
破壞力矩值	Breakdown torque	4 kgf.m (40 N.m)
許用輸入轉速	Permissible input speed	2000 rpm
背隙	Backlash	10~3 min-arc
慣性矩	Moment of inertia	0.02 kg•cm ²
重量	Weight	0.5 kg

AR-60



- 減速比 1 : 2 (單/雙出力軸)
- 減速機背隙 10~15 弧秒 出力轉矩 4.5 kgf.m
- Speed reduction ratio 1 : 2 (single/double output shaft)
- Backlash of the reducer 10~15 arc seconds. Output torque 4.5 kgf.m



應用範例 Application Examples :

AR60 I

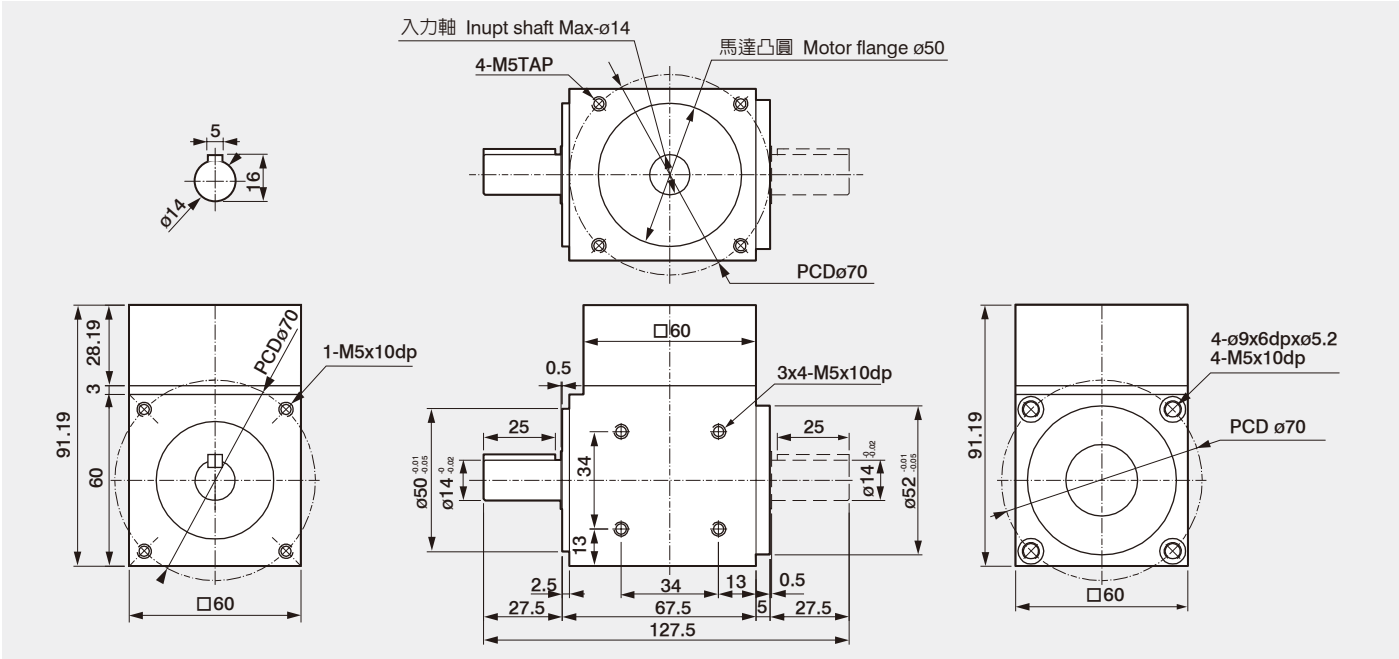


AR60 S



Model	AR60 I	AR60 S
減速比 SPEED RATIO	6, 10, 20, 30 40, 50, 60, 80, 100, 140, 180, 200	6, 10, 20, 30 40, 50, 60, 80, 100, 140, 180, 200

外形尺寸圖 Dimensions :

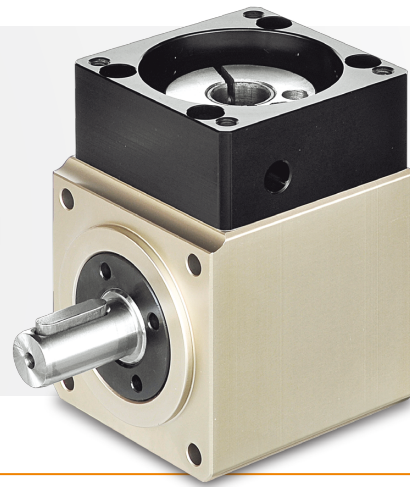


規格表 Specifications :

Model		AR-60
額定輸出轉矩	Continuous output torque	4.5 kgf.m (45 N.m)
破壞力矩值	Breakdown torque	12 kgf.m (120 N.m)
許用輸入轉速	Permissible input speed	2000 rpm
背隙	Backlash	10~3 min-arc
慣性矩	Moment of inertia	0.7 kg•cm ²
重量	Weight	1.2 kg

AR-90

- 減速比 1:2 (單/雙出力軸)
- 減速機背隙 10~15 弧秒 出力轉矩 12 kgf.m
- Speed reduction ratio 1 : 2 (single/double output shaft)
- Backlash of the reducer 10~15 arc seconds.
Output torque 12 kgf.m

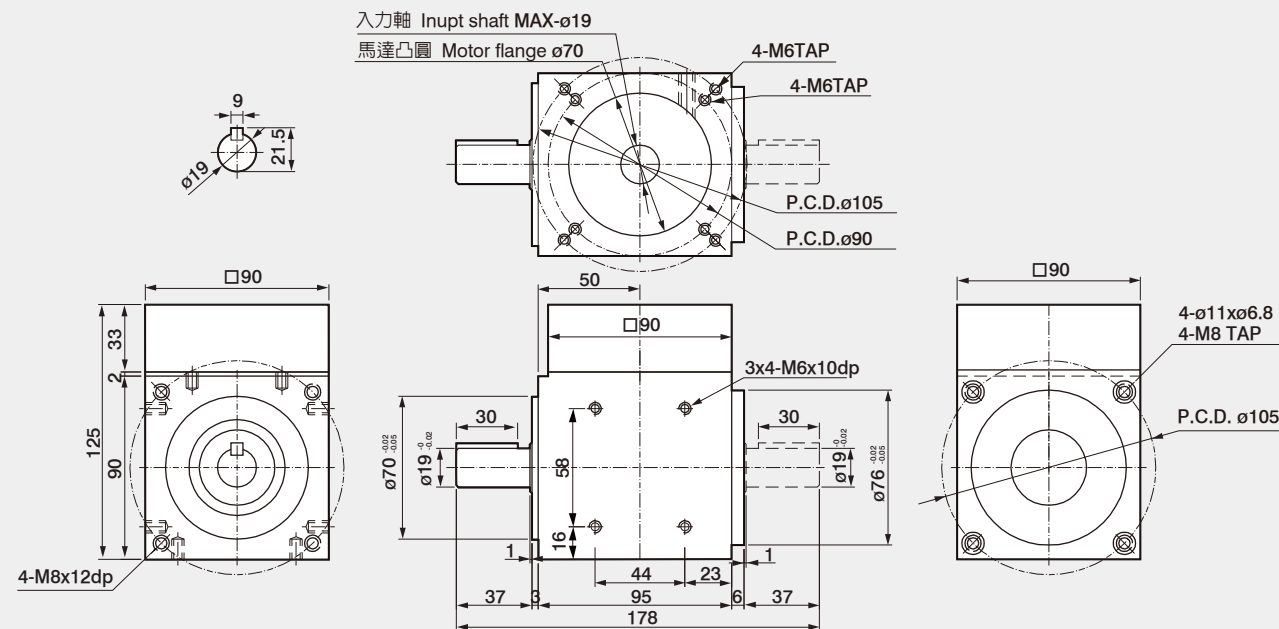


應用範例 Application Examples :



Model	AR90 I	AR90 S
減速比 SPEED RATIO	6, 10, 20, 30	6, 10, 20, 30
	40, 50, 60, 80, 100, 140, 180, 200	40, 50, 60, 80, 100, 140, 180, 200

外形尺寸圖 Dimensions :



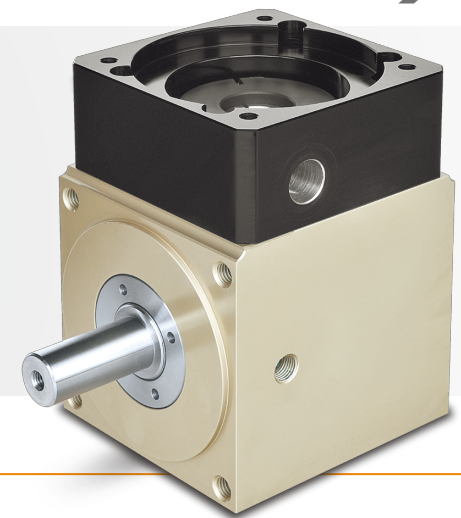
規格表 Specifications :

Model		AR-90
額定輸出轉矩	Continuous output torque	9 kgf.m (90 N.m)
破壞力矩值	Breakdown torque	24 kgf.m (240 N.m)
許用輸入轉速	Permissible input speed	2000 rpm
背隙	Backlash	10~3 min-arc
慣性矩	Moment of inertia	0.25 kg・cm ²
重量	Weight	3.6 kg

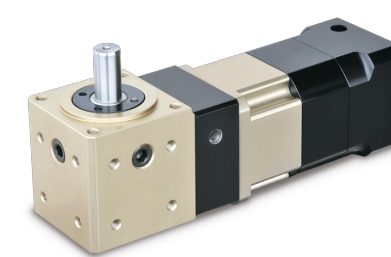
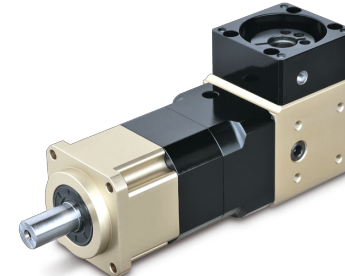
AR-120

MAXTOK

- 減速比 1 : 2 (單/雙出力軸)
- 減速機背隙 10~15 弧秒 出力轉矩 12 kgf.m
- Speed reduction ratio 1 : 2 (single/double output shaft)
- Backlash of the reducer 10~15 arc seconds.
Output torque 12 kgf.m

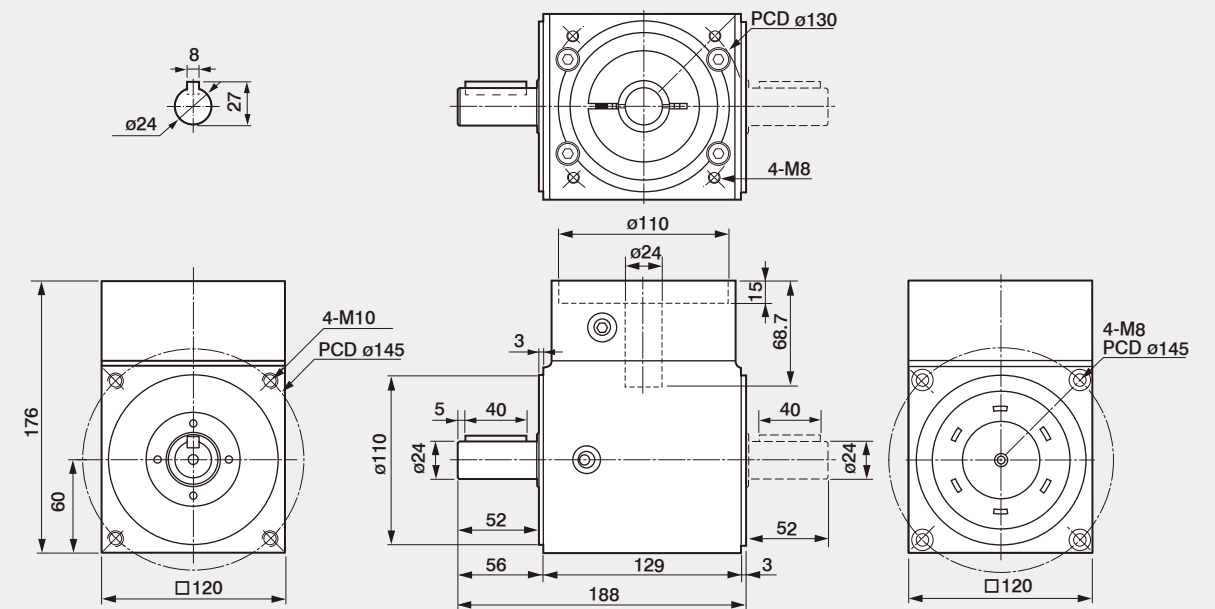


應用範例 Application Examples :



Model	AR120 I	AR120 S
減速比 SPEED RATIO	6, 10, 20, 30	6, 10, 20, 30
	40, 50, 60, 80, 100, 140, 180, 200	40, 50, 60, 80, 100, 140, 180, 200

外形尺寸圖 Dimensions :



規格表 Specifications :

Model		AR-120
額定輸出轉矩	Continuous output torque	12 kgf.m (120 N.m)
破壞力矩值	Breakdown torque	32 kgf.m (320 N.m)
許用輸入轉速	Permissible input speed	2000 rpm
背隙	Backlash	10~3 min-arc
慣性矩	Moment of inertia	0.8 kg・cm ²
重量	Weight	8.5 kg