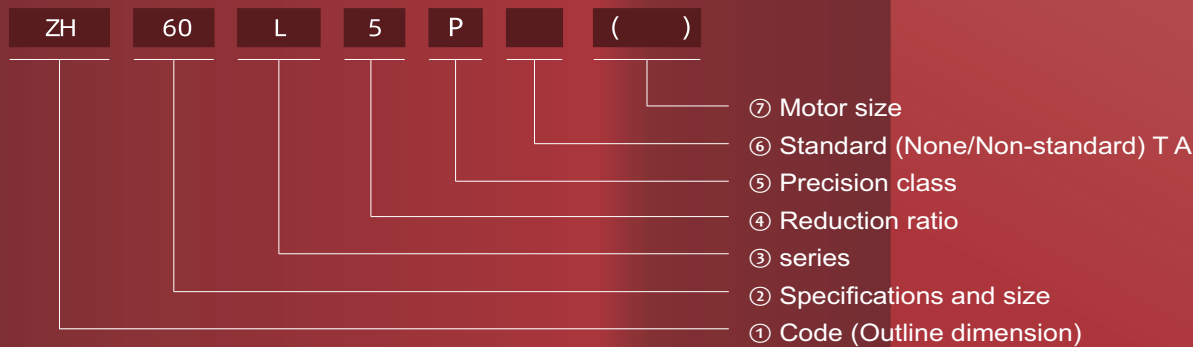


ZH,ZT,ZB,ZTB Series

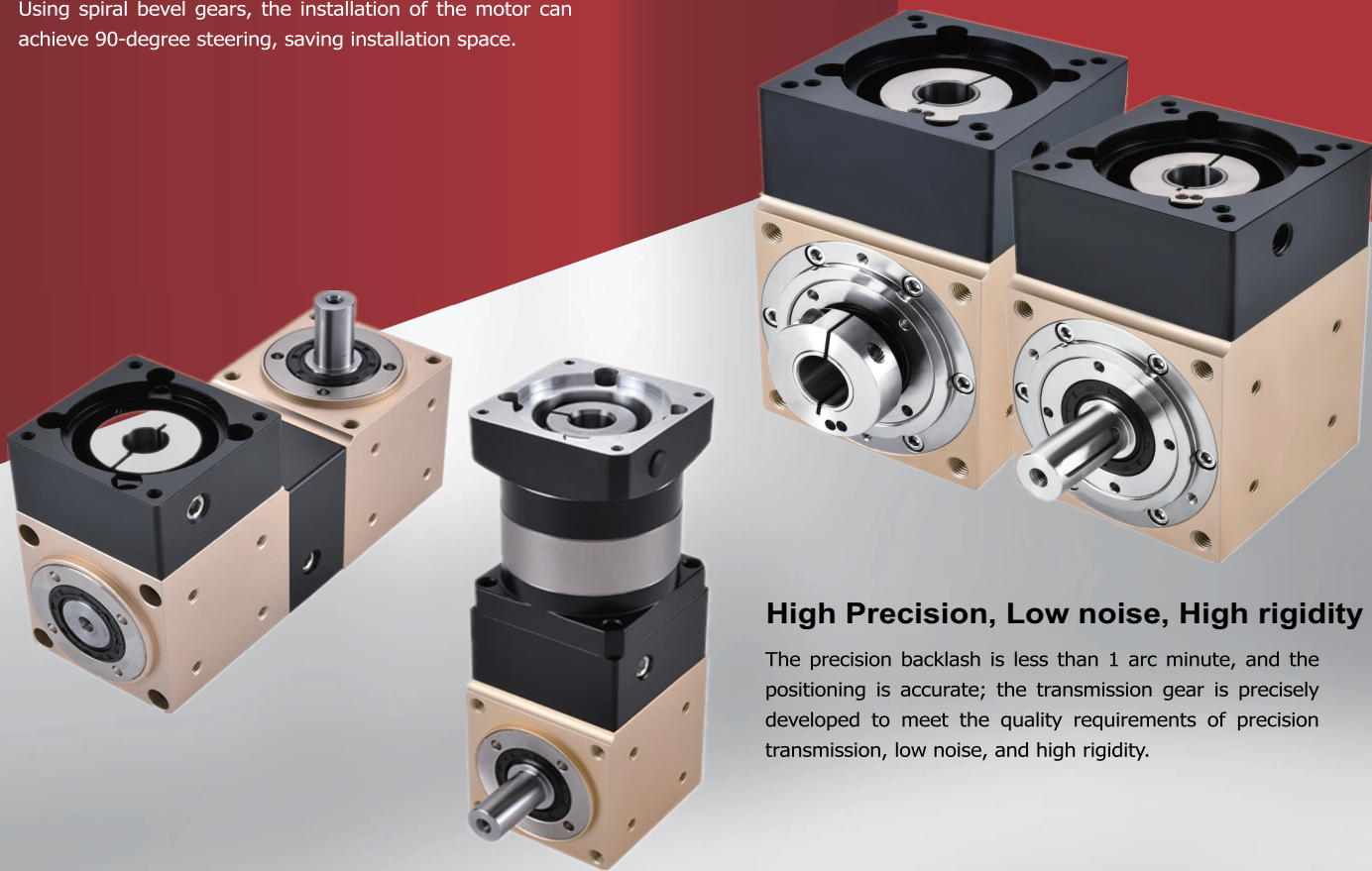
Precision Right Angle Reducer

Model Names / Model Numbers



Small Size, Space-Saving

Using spiral bevel gears, the installation of the motor can achieve 90-degree steering, saving installation space.



High Precision, Low noise, High rigidity

The precision backlash is less than 1 arc minute, and the positioning is accurate; the transmission gear is precisely developed to meet the quality requirements of precision transmission, low noise, and high rigidity.

Technical Parameters

Product Model	Unit	ZH042 ZT042 ZB042 ZTB042	ZH060 ZT060 ZB060 ZTB060	ZH090 ZT090 ZB090 ZTB090	ZH120 ZT120 ZB120 ZTB120	Ratios	Stages
Rated output torque	Nm	23	35	60	120	2	Level 1
		20	30	55	-	3	
		18	25	50	100	5	
		23	35	60	120	10	Level 2
		20	30	55	-	12	
		20	30	55	100	15	
		23	35	60	120	20	
		18	25	50	100	25	
		20	30	55	-	30	
		20	30	55	100	35	
		18	25	50	100	50	
Maximum output torque T2N	Nm	2.5 Times rated output torque					
Rated Input Speed	rpm	1500					
Maximum output Speed	rpm	3000					
Maximum Radial Force	N	350	560	1050	1800		
Maximum axial Force	N	160	230	550	1100		
Moment of inertia	Kgcm²	0.03	0.08	0.09			
Backlash	arcmin	P0 < 1 P1 < 3					Level 1
		P0 < 2 P1 < 5					Level 2
Noise	dB	≦ 58	≦ 58	≦ 60	≦ 62		
Efficiency	%	Level 1: 97% Level 2: 95%					
Life	h	> 20000					
Operating Temperature		°C ~ + 0°C					
Lubricating		Synthetic grease lubrication					
Direction of Rotating		Same direction for input and output					
Protection Grade		Ip65					
Inatallation		Any					
Weight	kg	0.49	1.25	3.93	8.5		
		0.89	2.27	6.68	12.2		Level 2

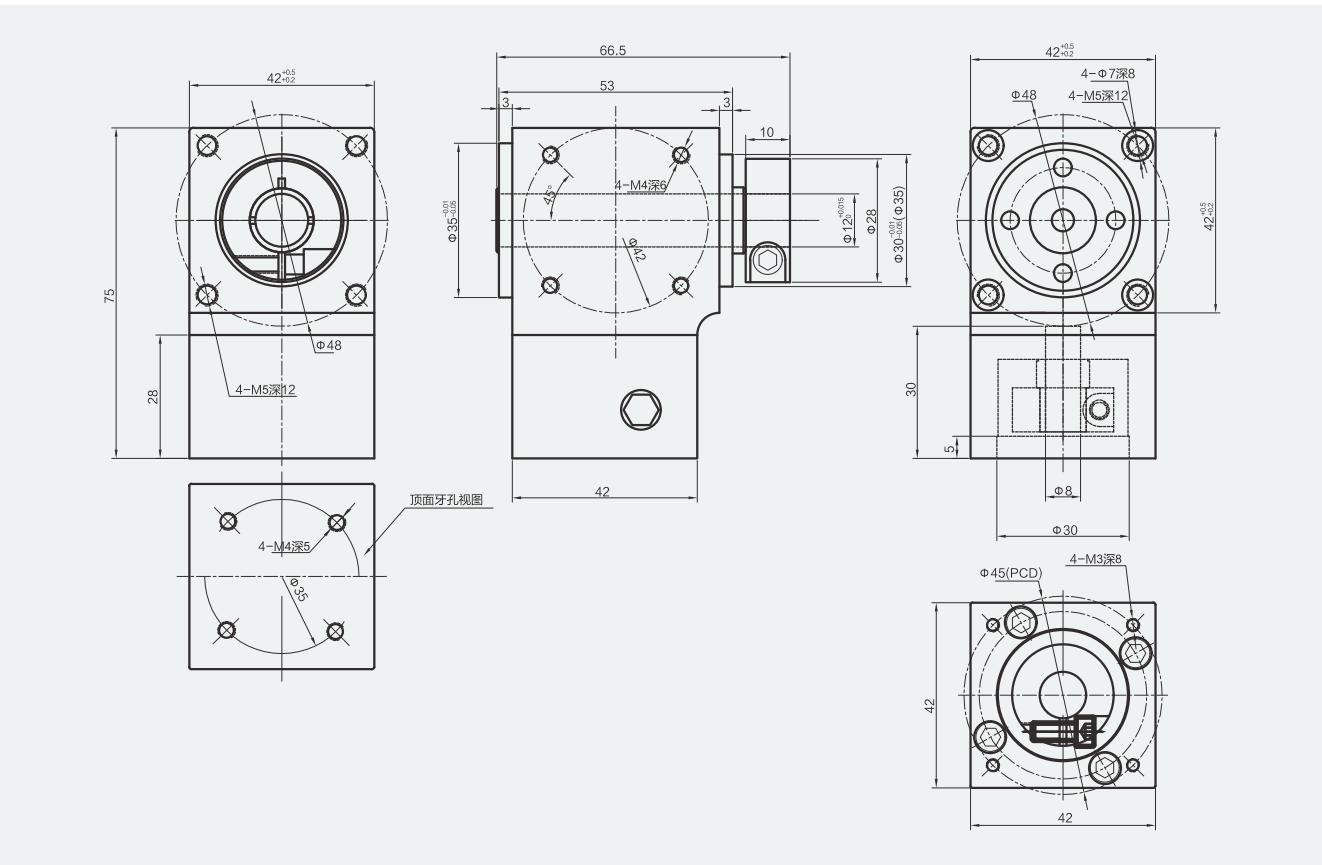
*The above technical parameters are for reference only. Actual technical parameters and dimensions will be provided based on the data provided by the customer.

ZH ZT ZB ZTB

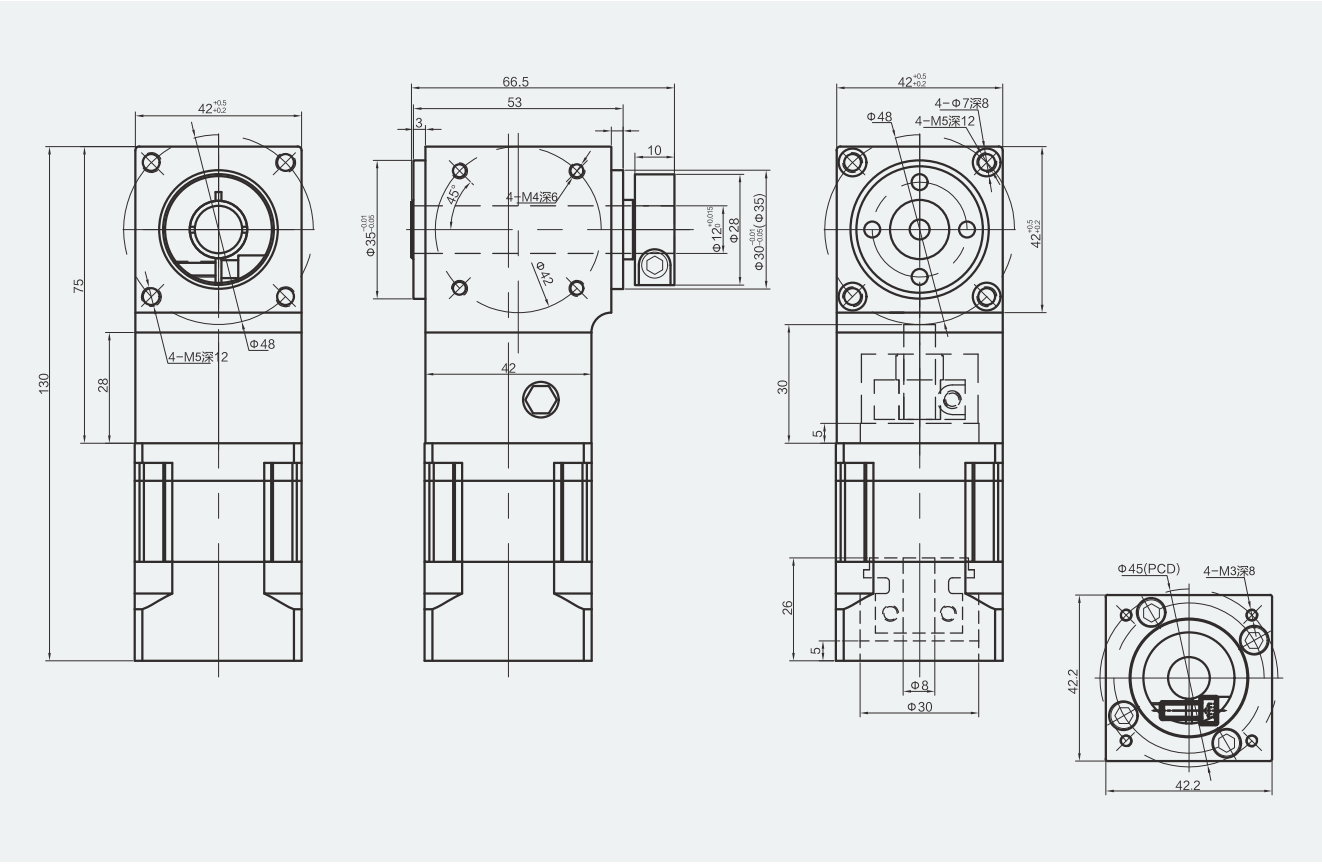
Precision Right Angle Reducer

Dimensional Drawings

ZB042-L1

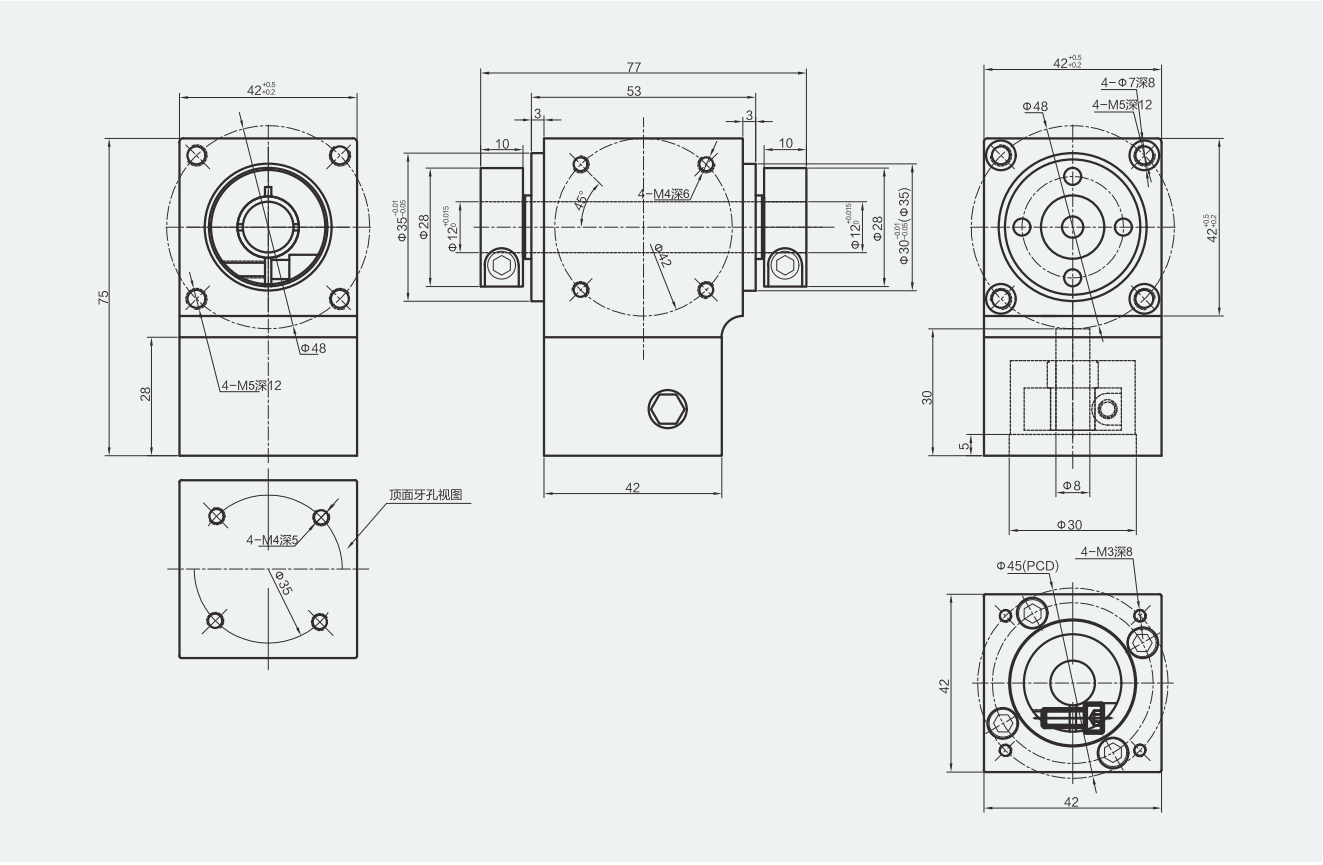


ZB042-L2

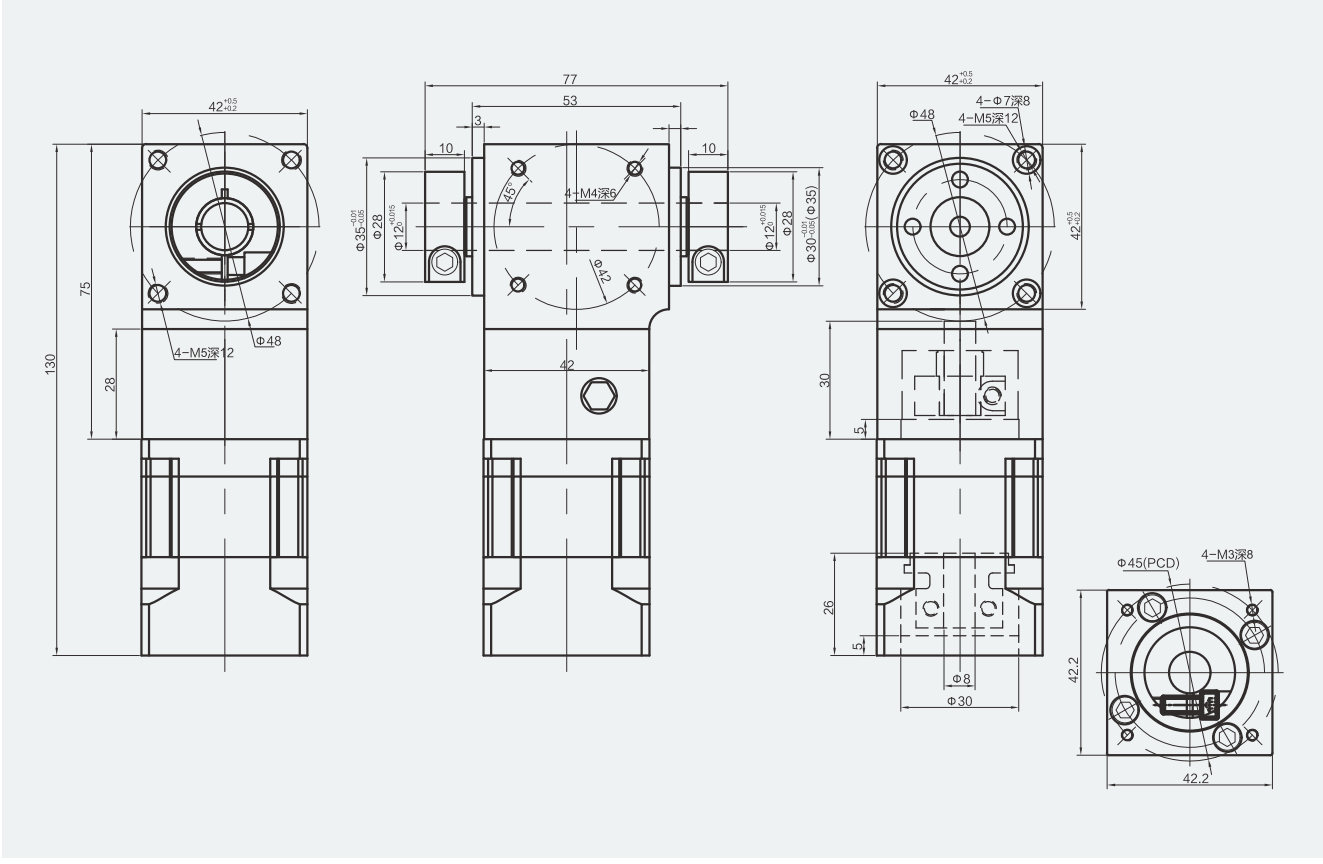


Dimensional Drawings

ZTB042-L1



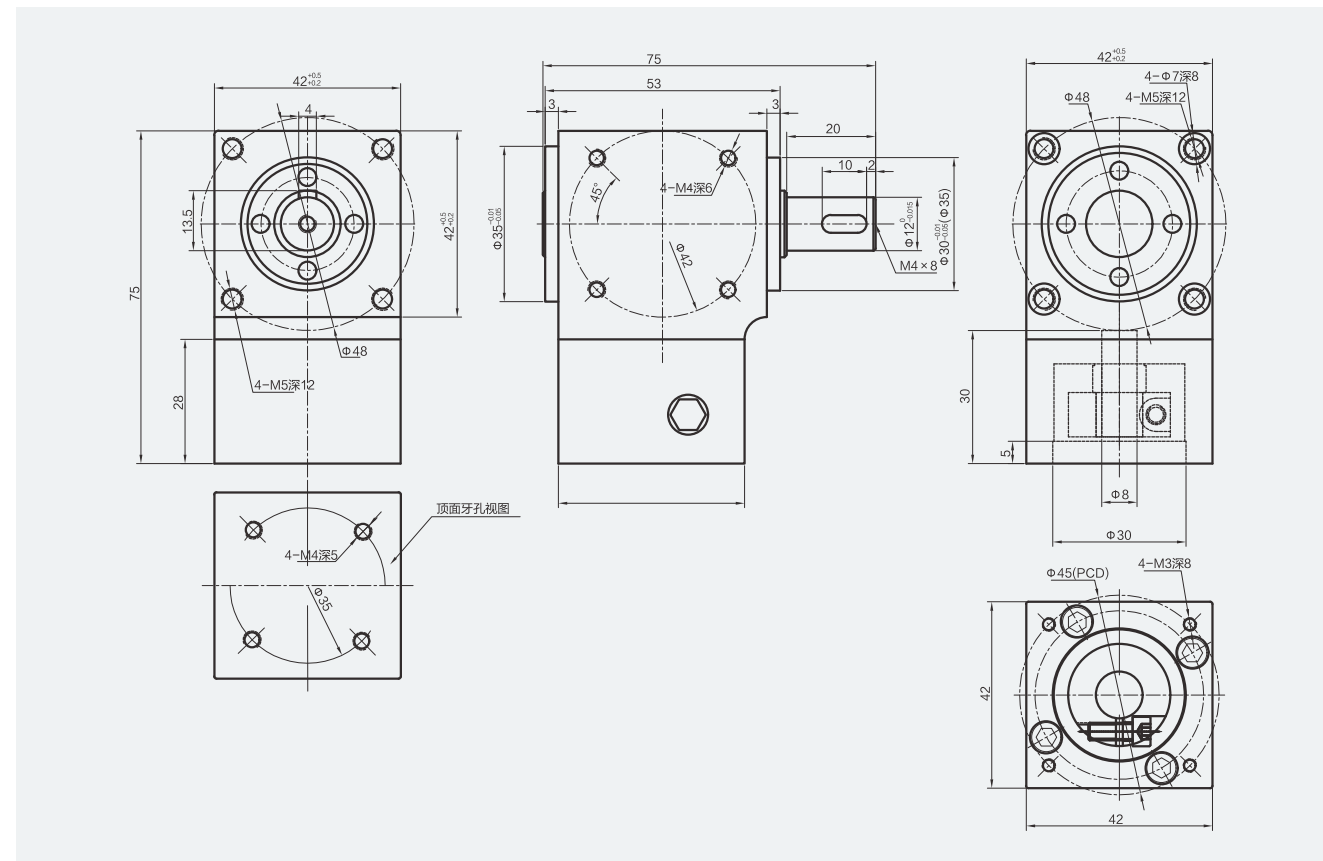
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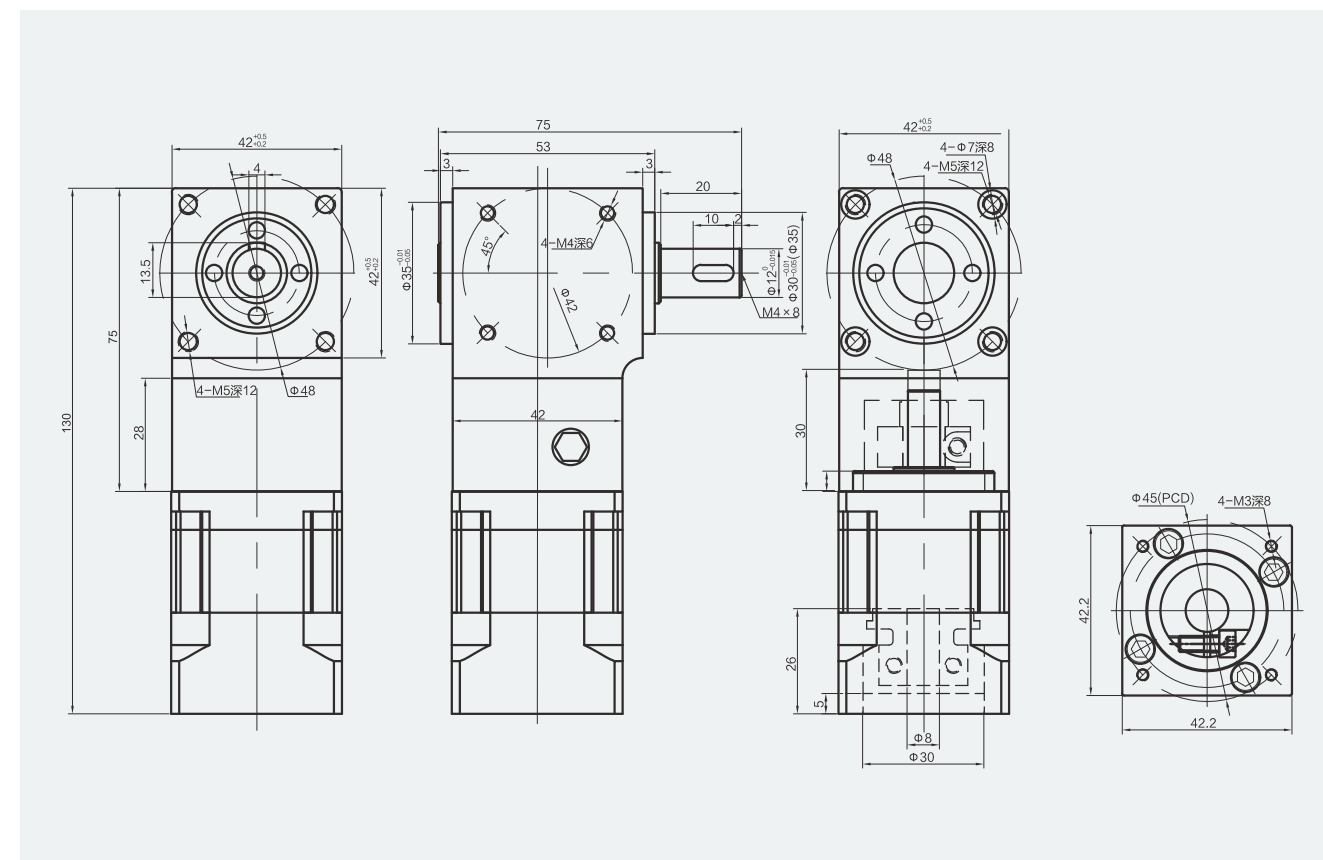
Precision Right Angle Reducer

Dimensional Drawings

ZH042-L1

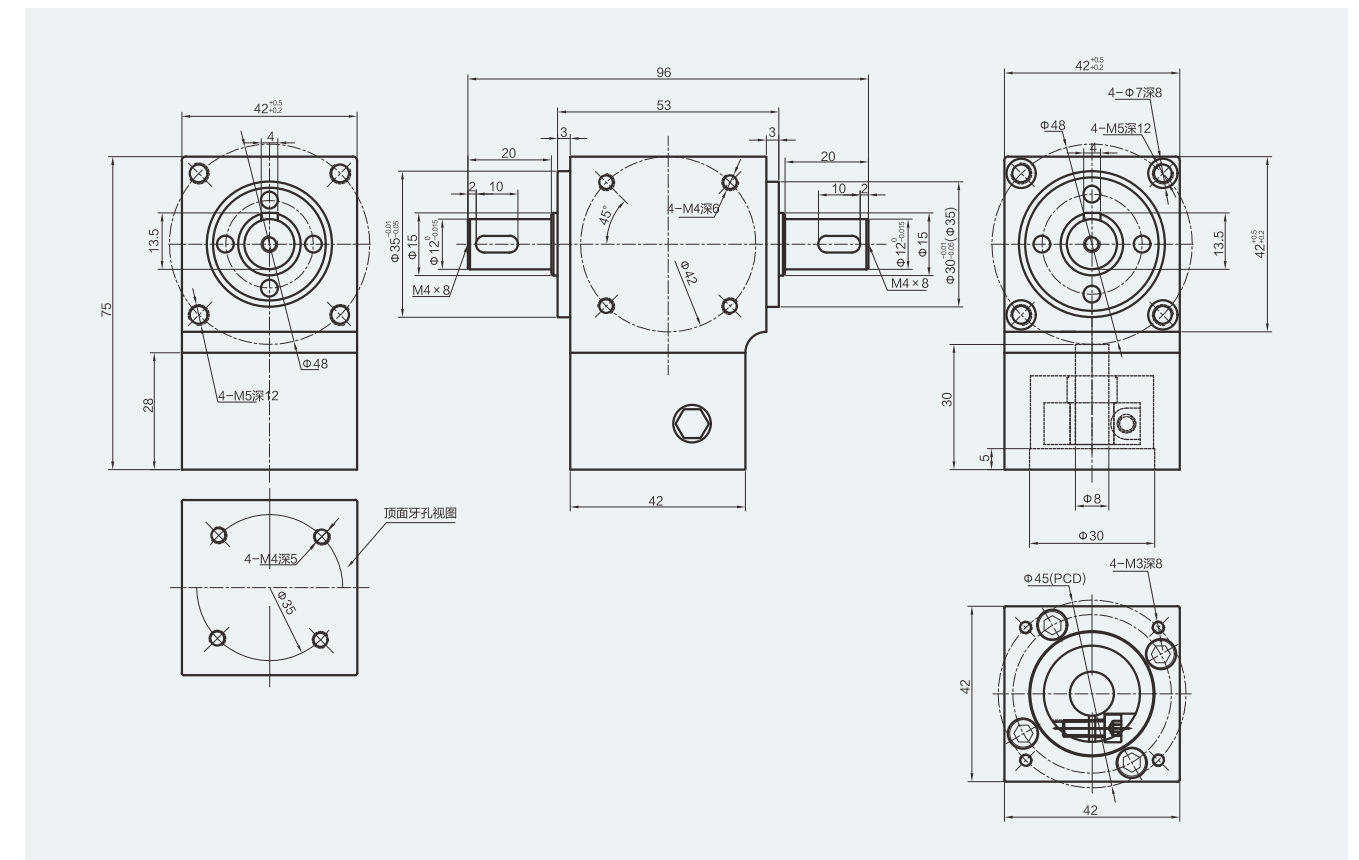


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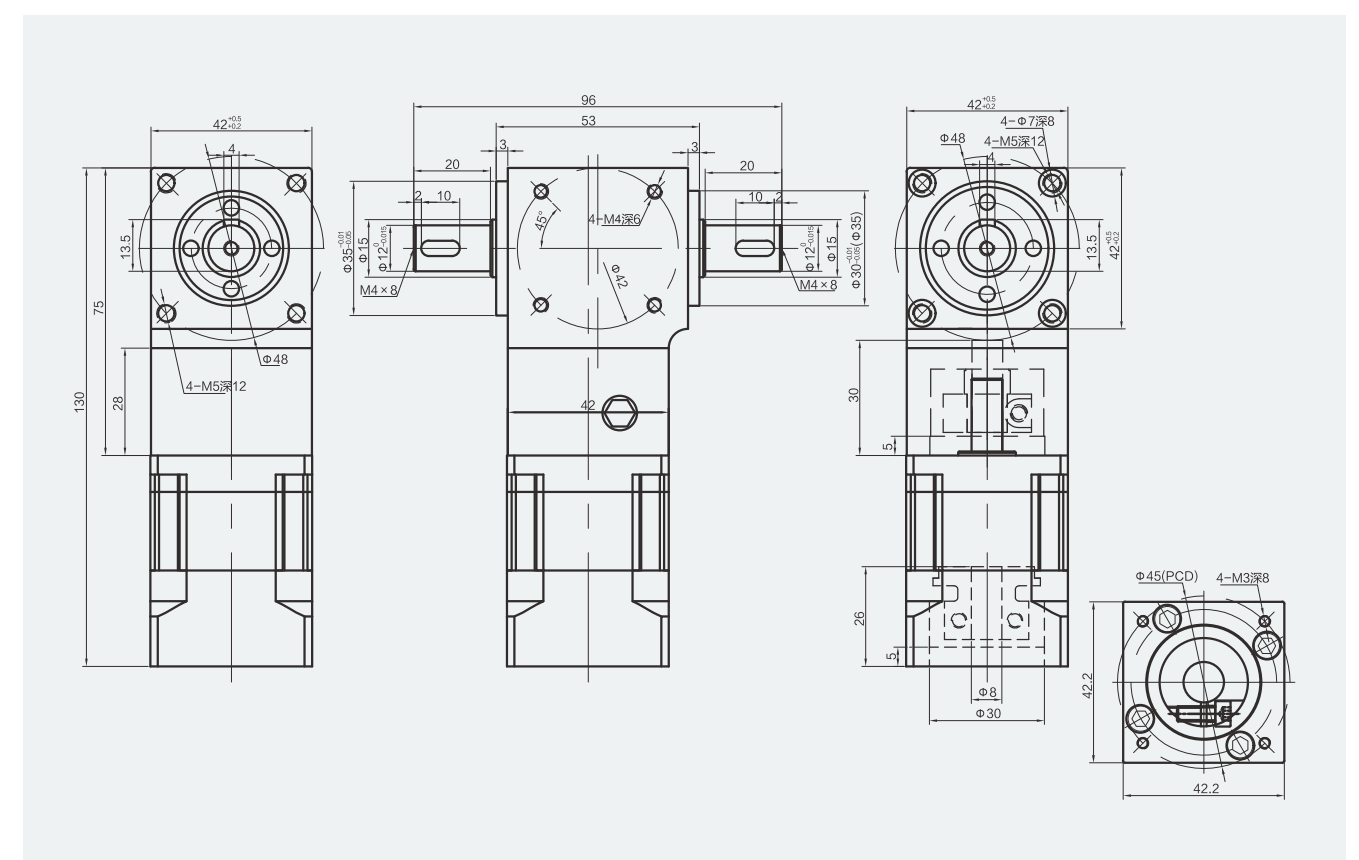


Dimensional Drawings

ZT042-L1



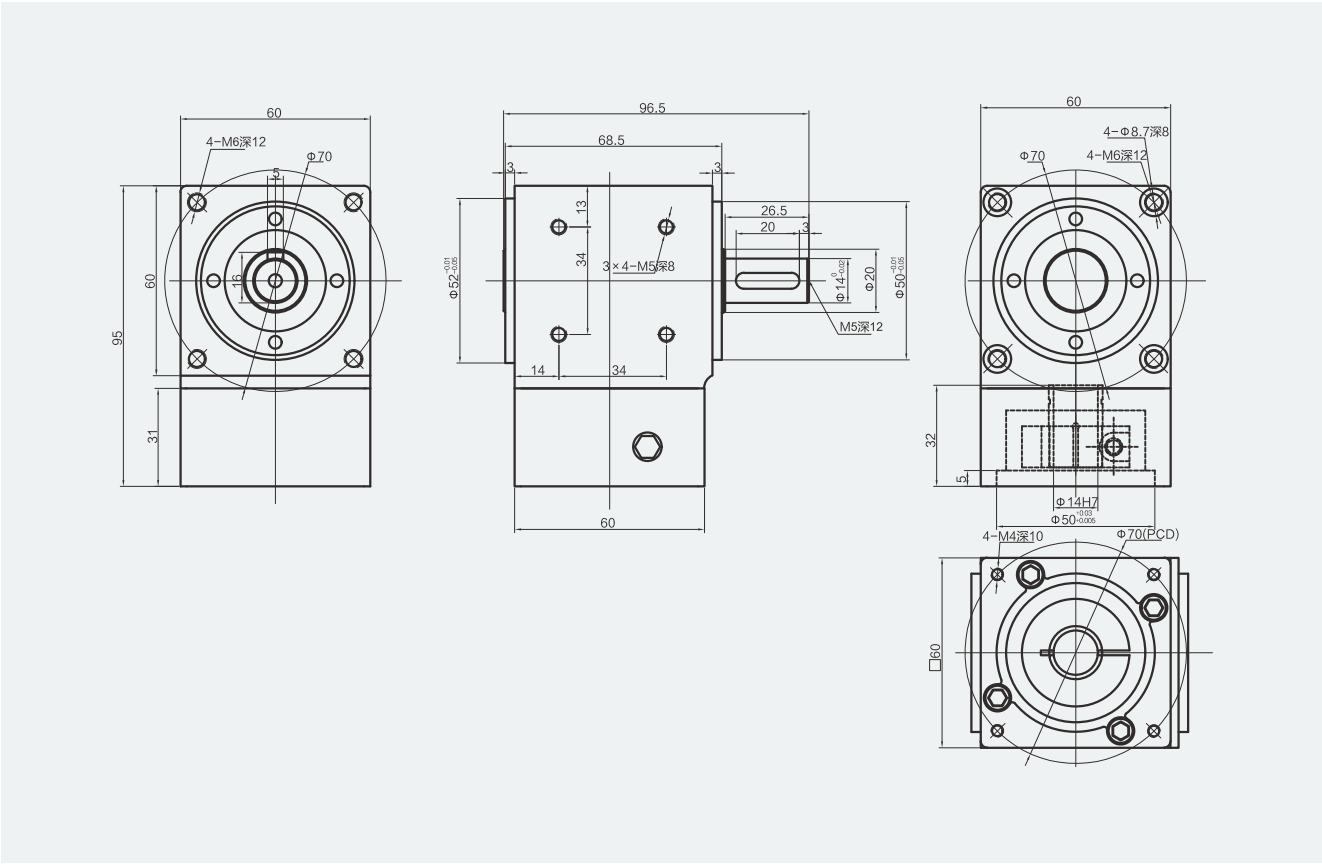
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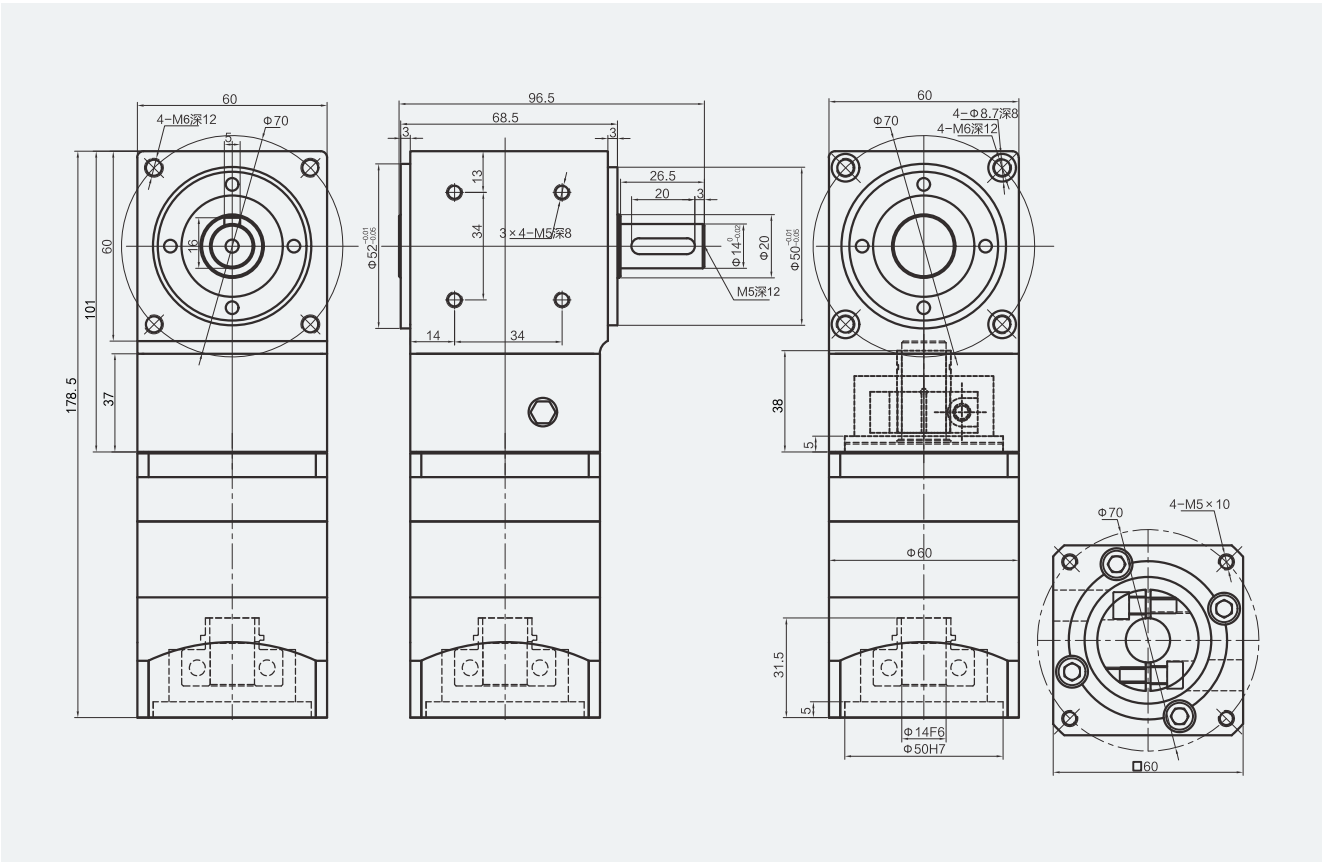
Precision Right Angle Reducer

Dimensional Drawings

ZH060-L1

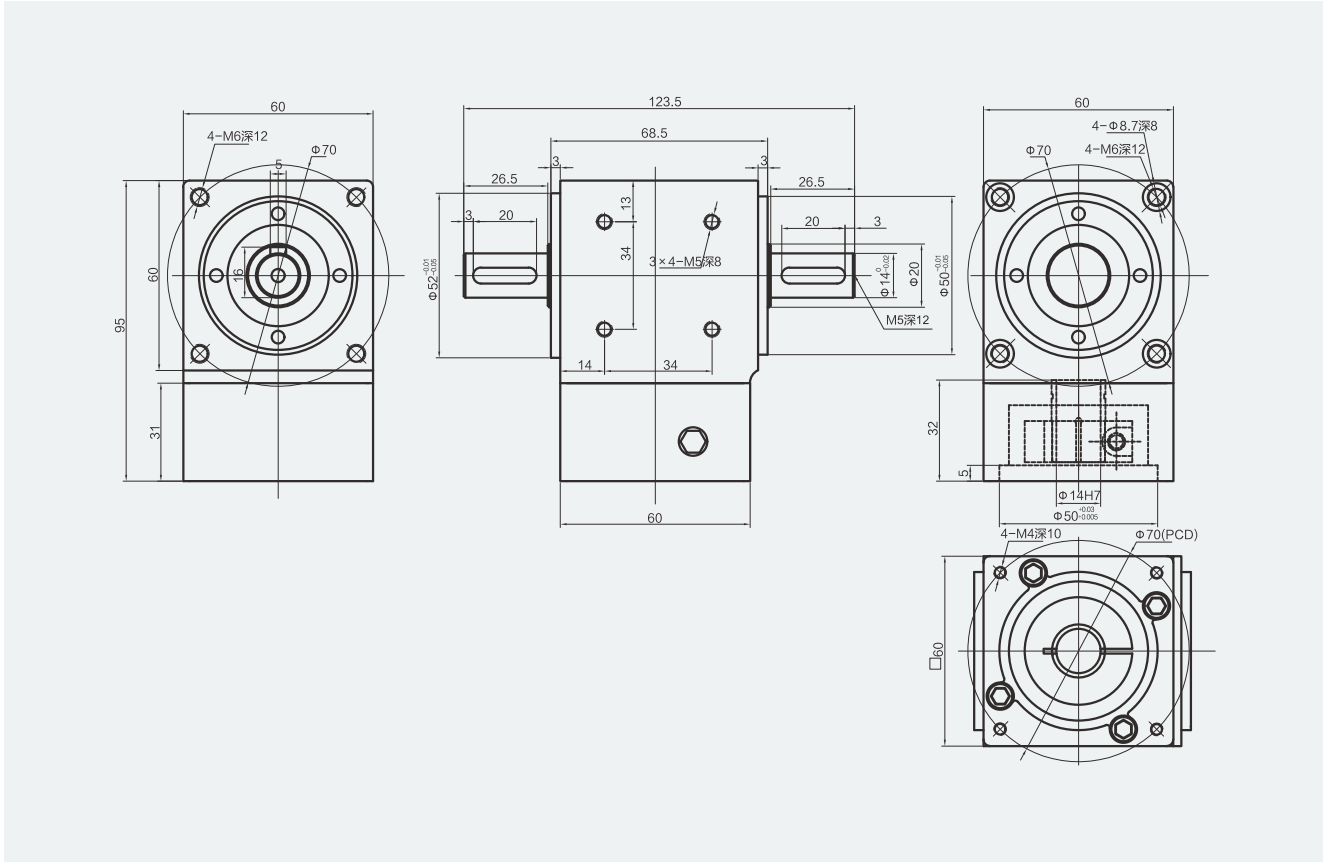


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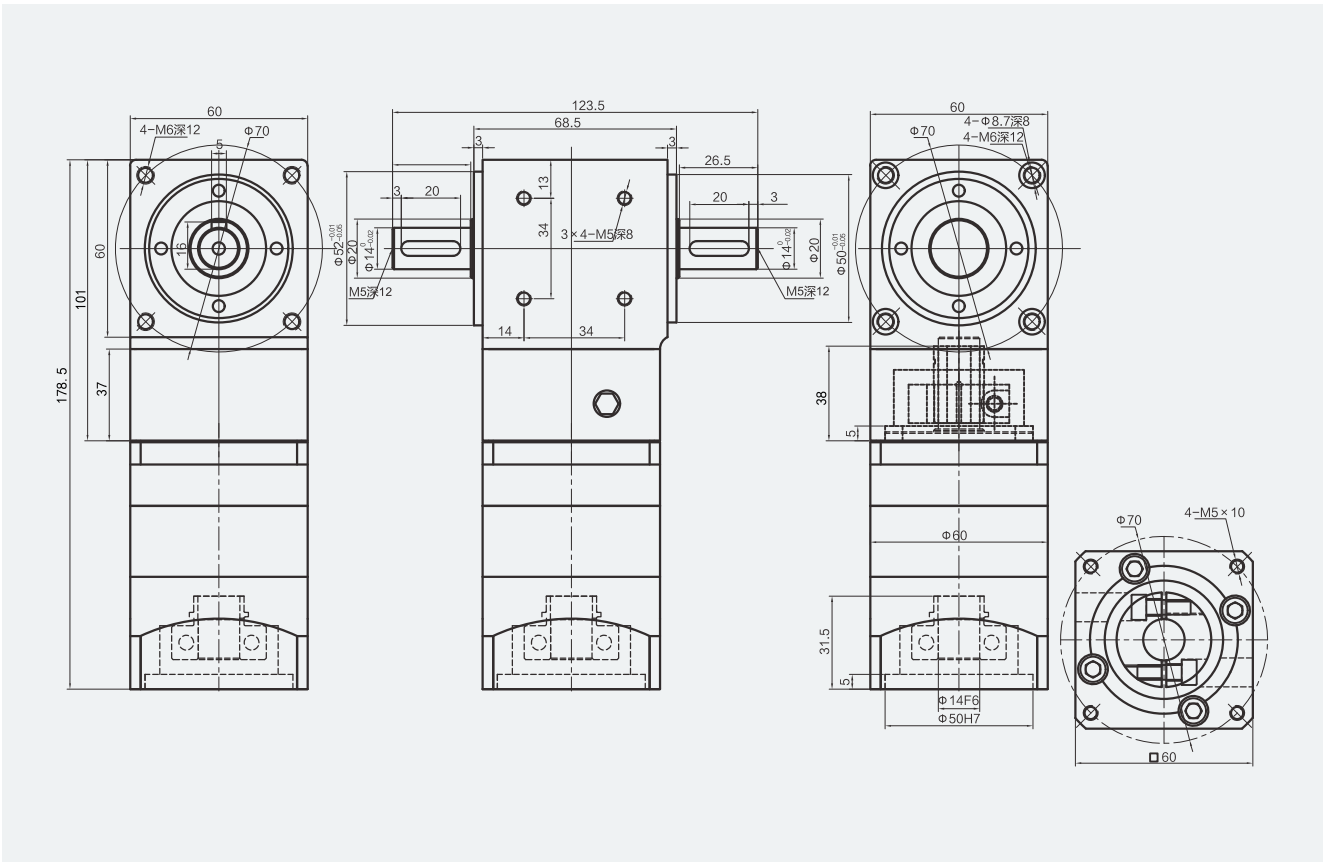


Dimensional Drawings

ZT060-L1



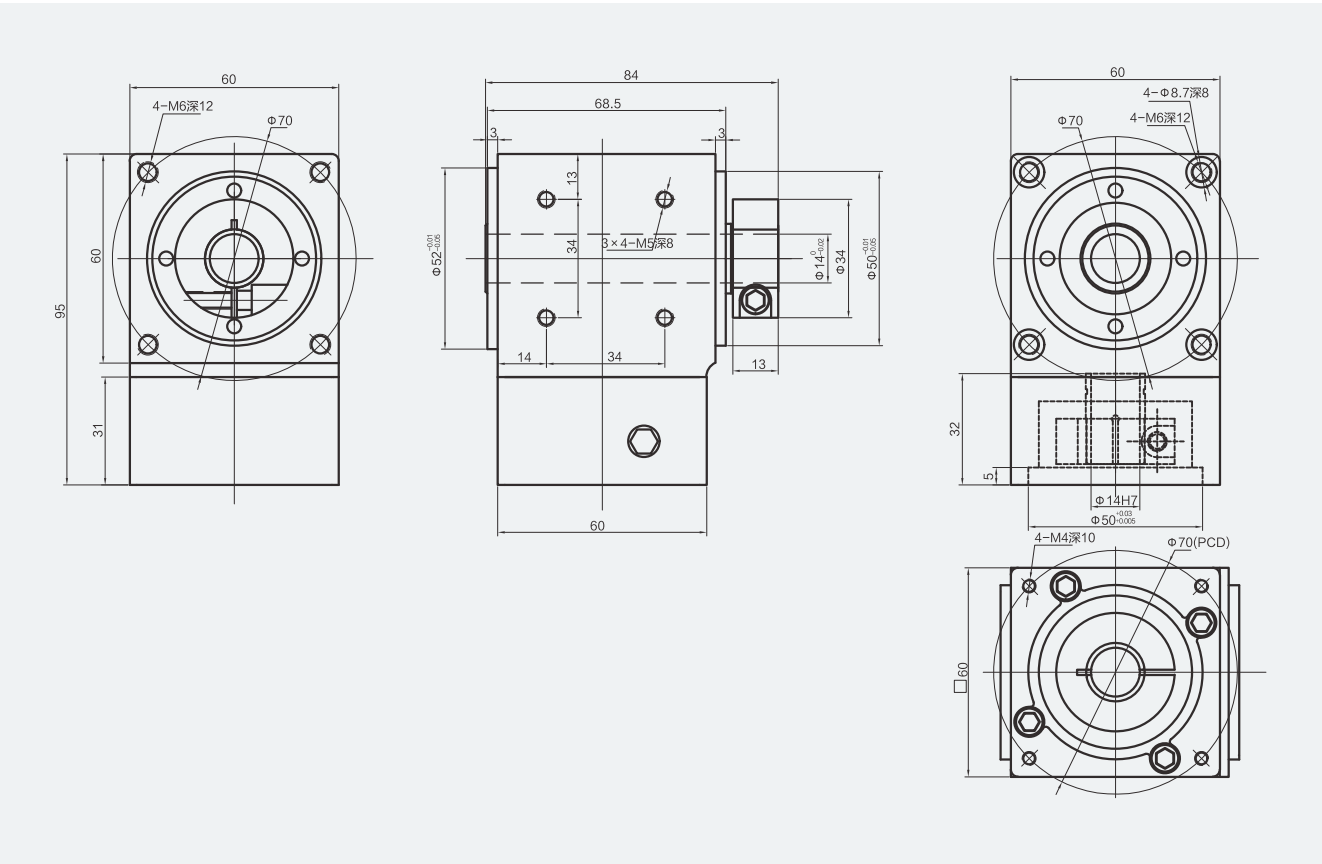
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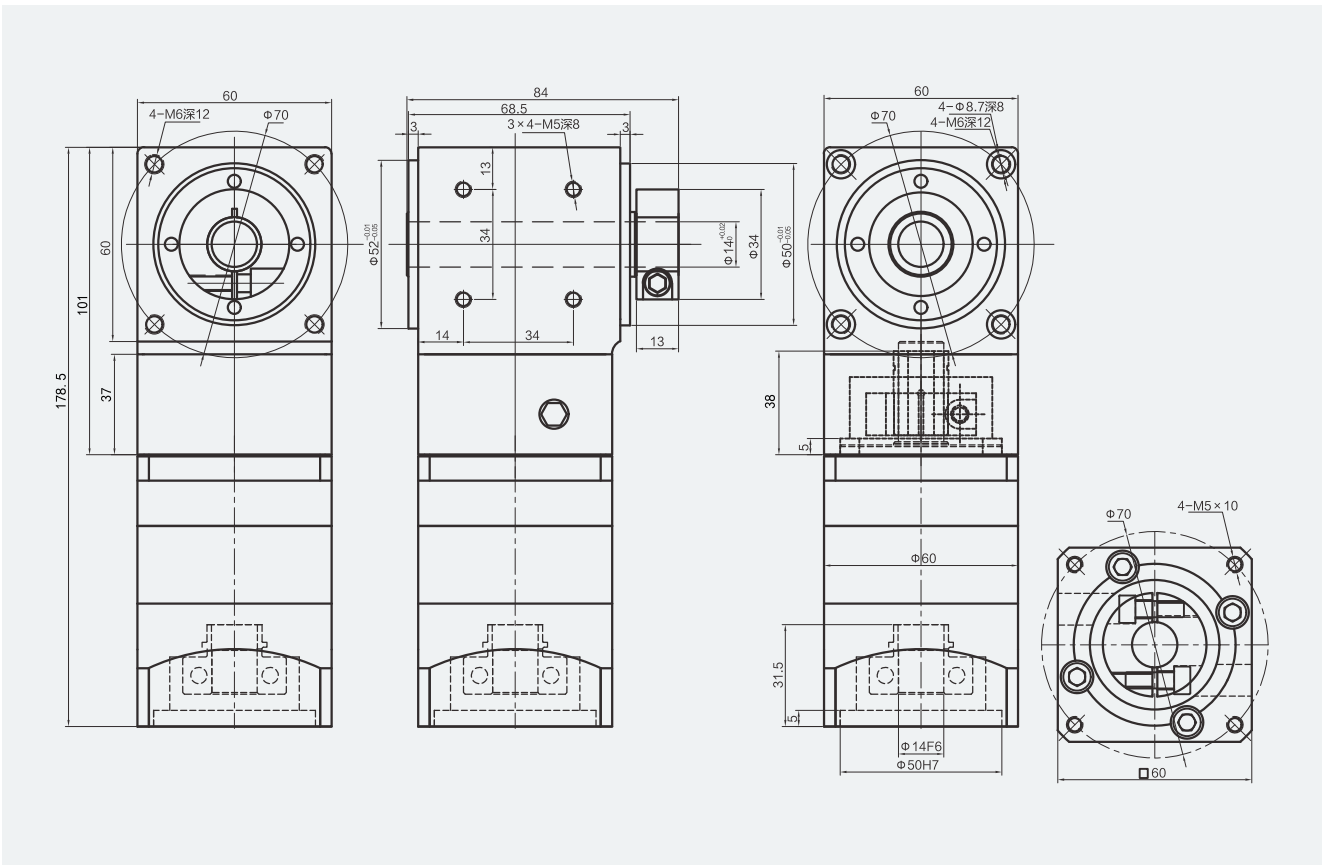
Precision Right Angle Reducer

Dimensional Drawings

ZB060-L1

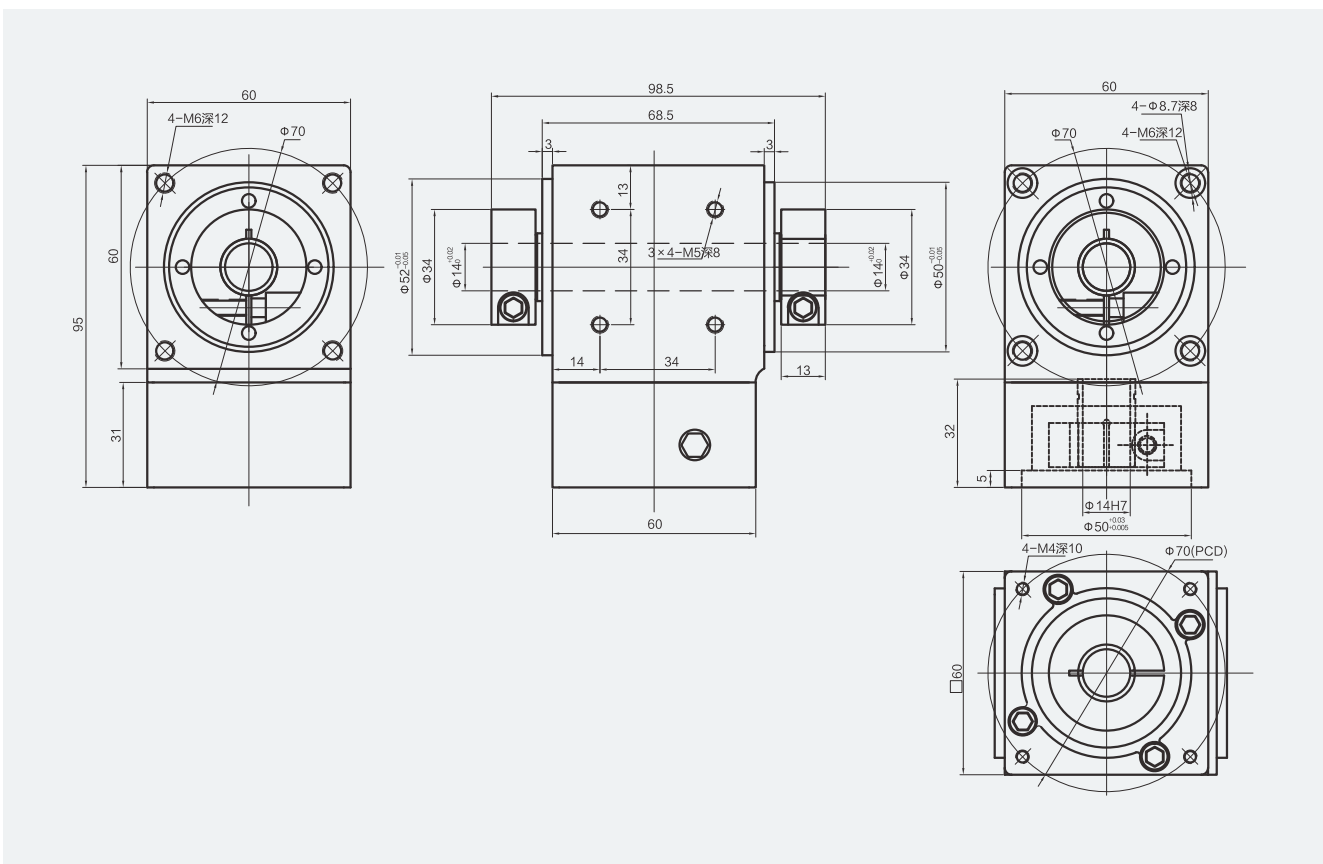


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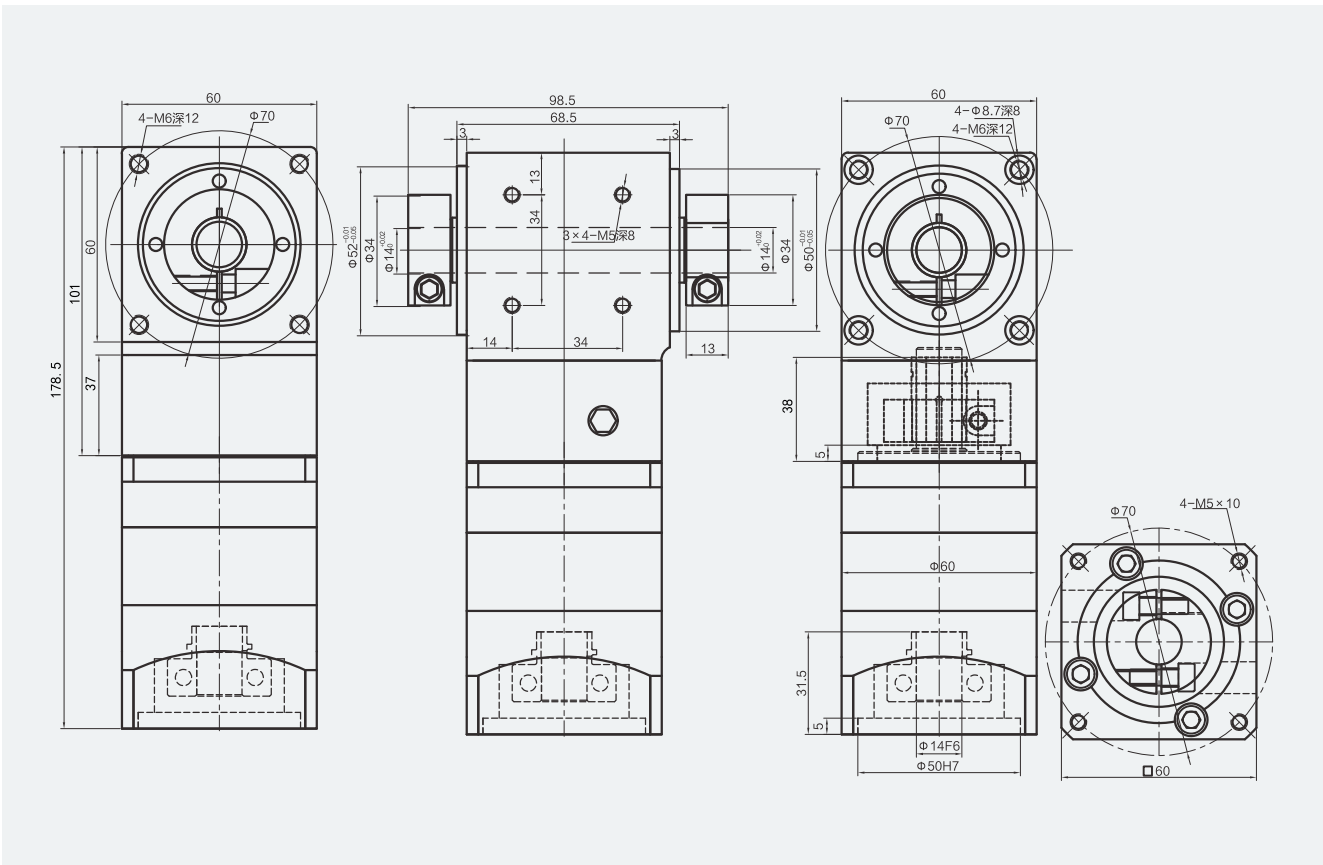


Dimensional Drawings

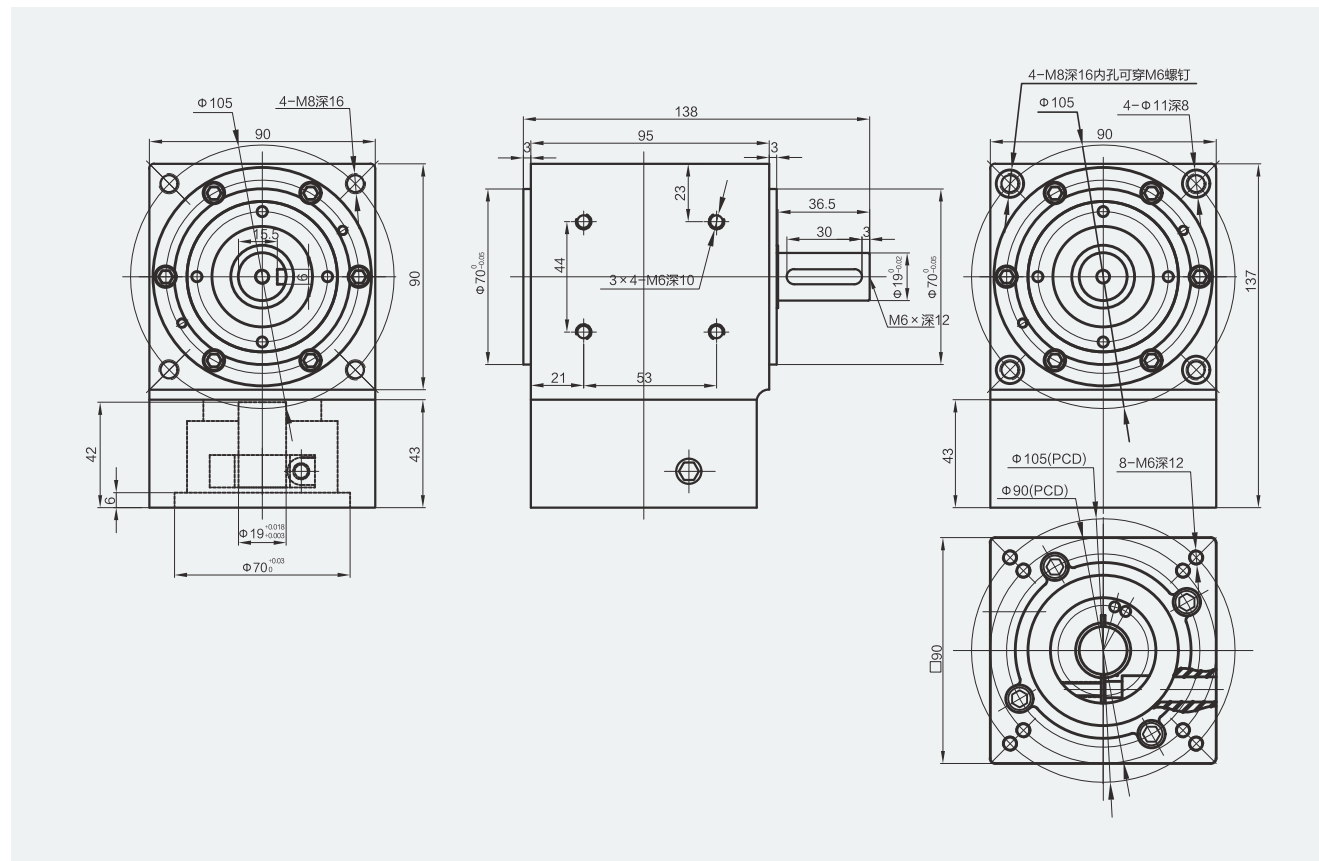
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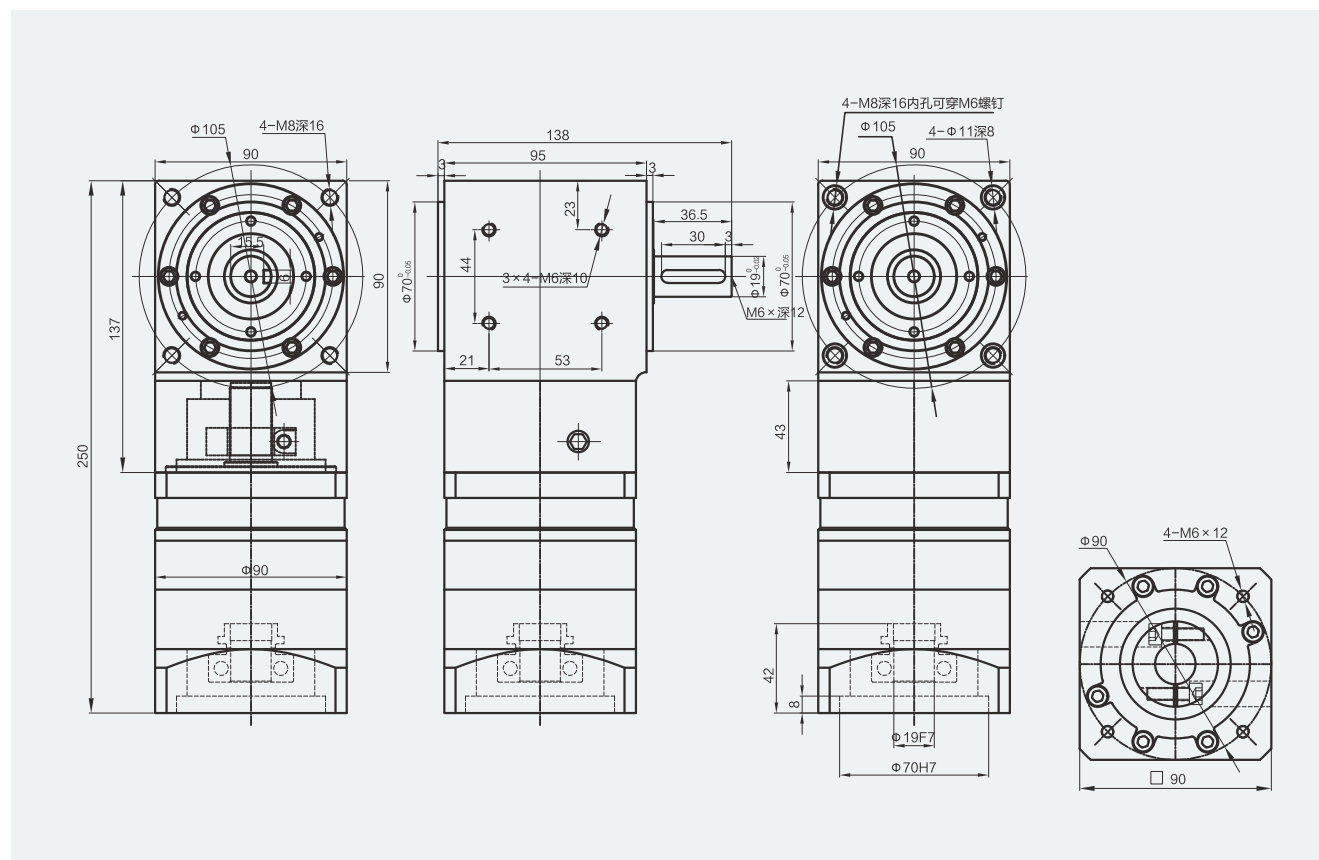
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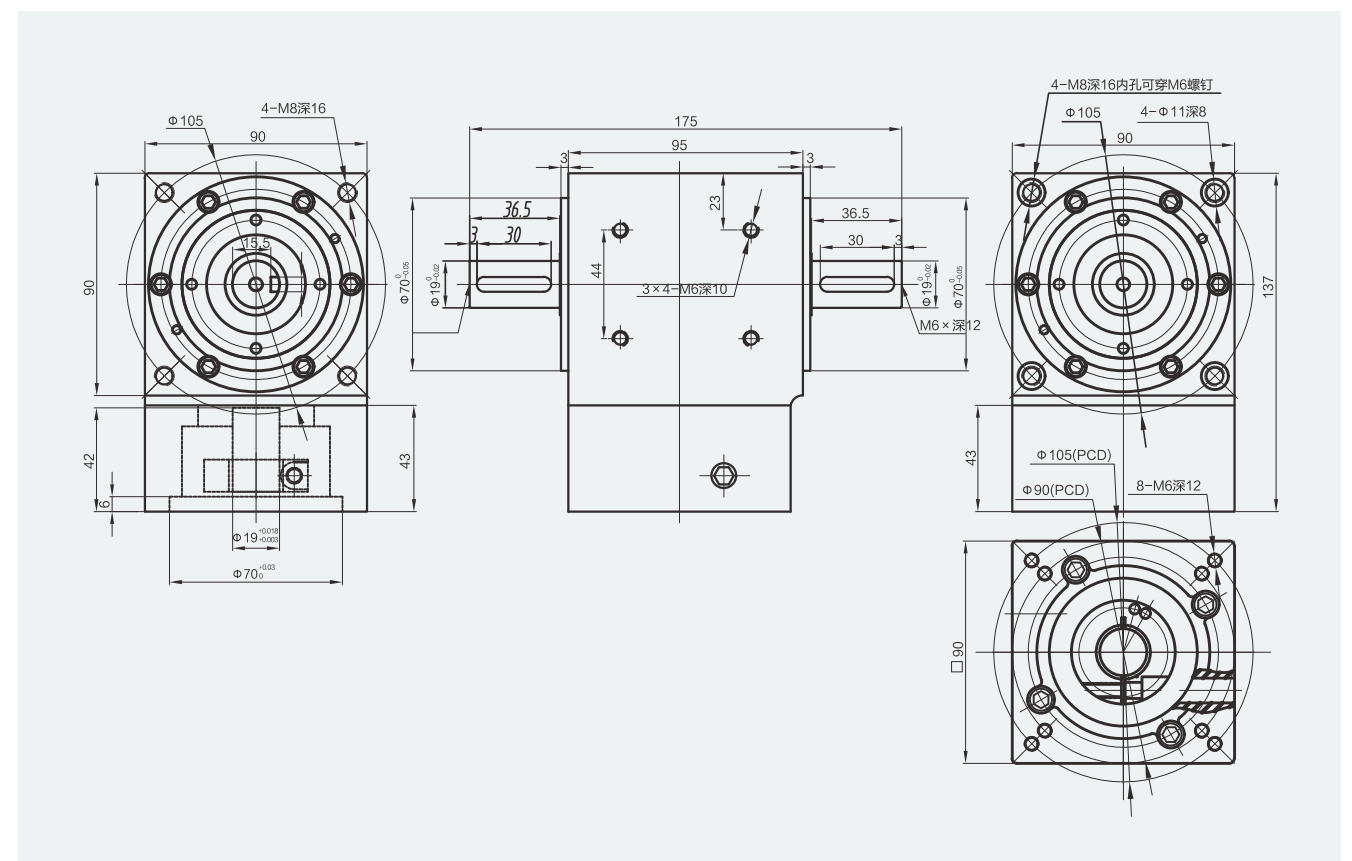
ZH090-L1



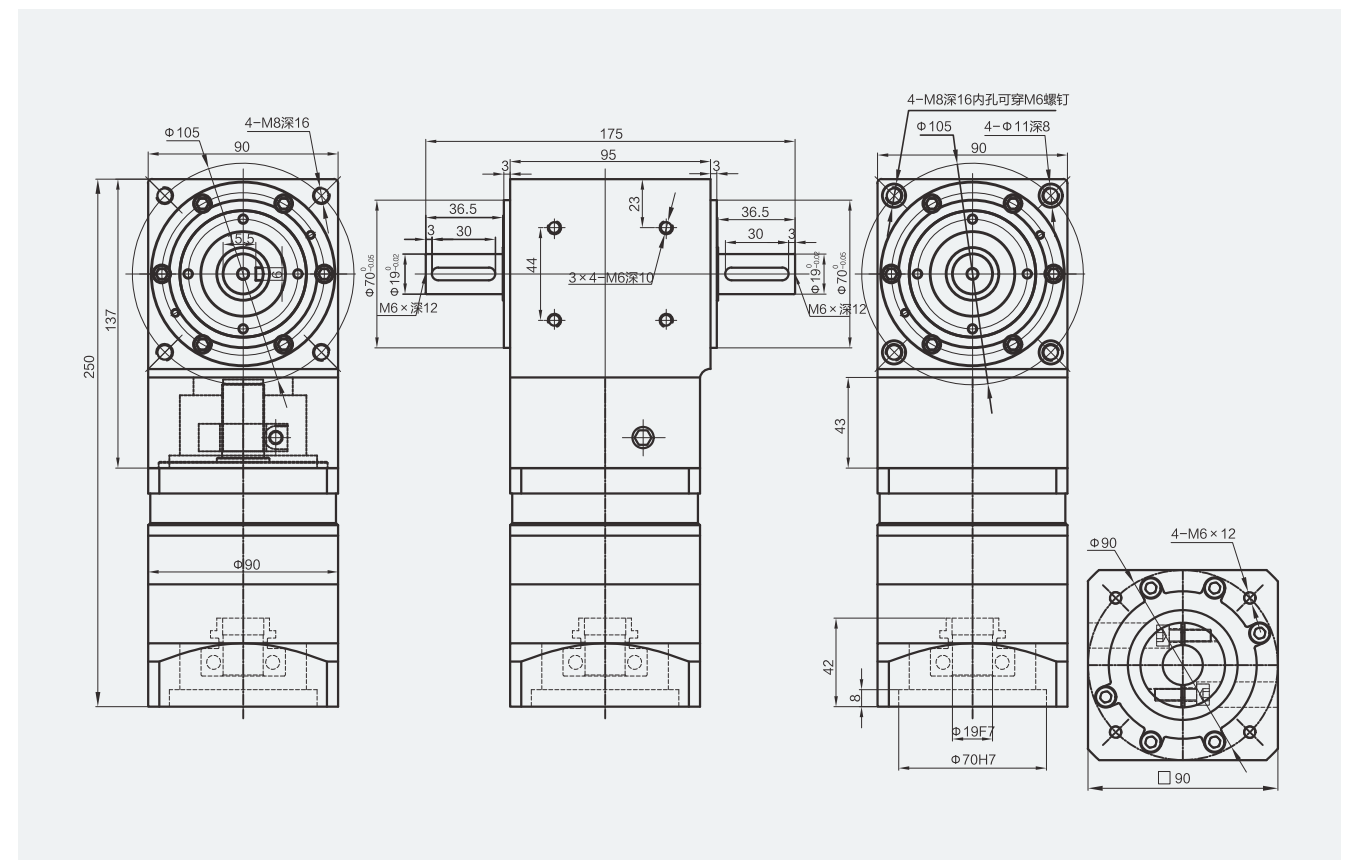
ZH090-L2



ZT090-L1



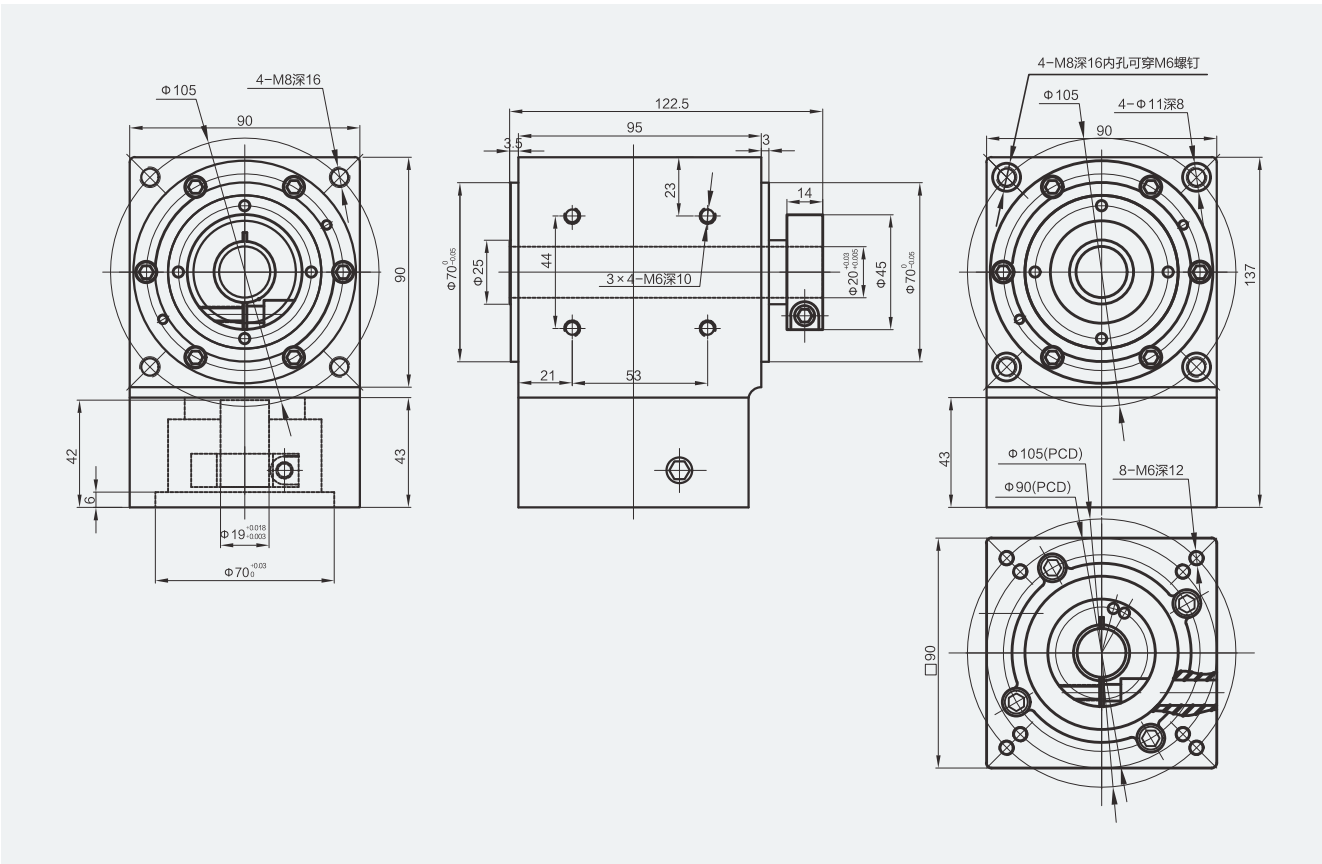
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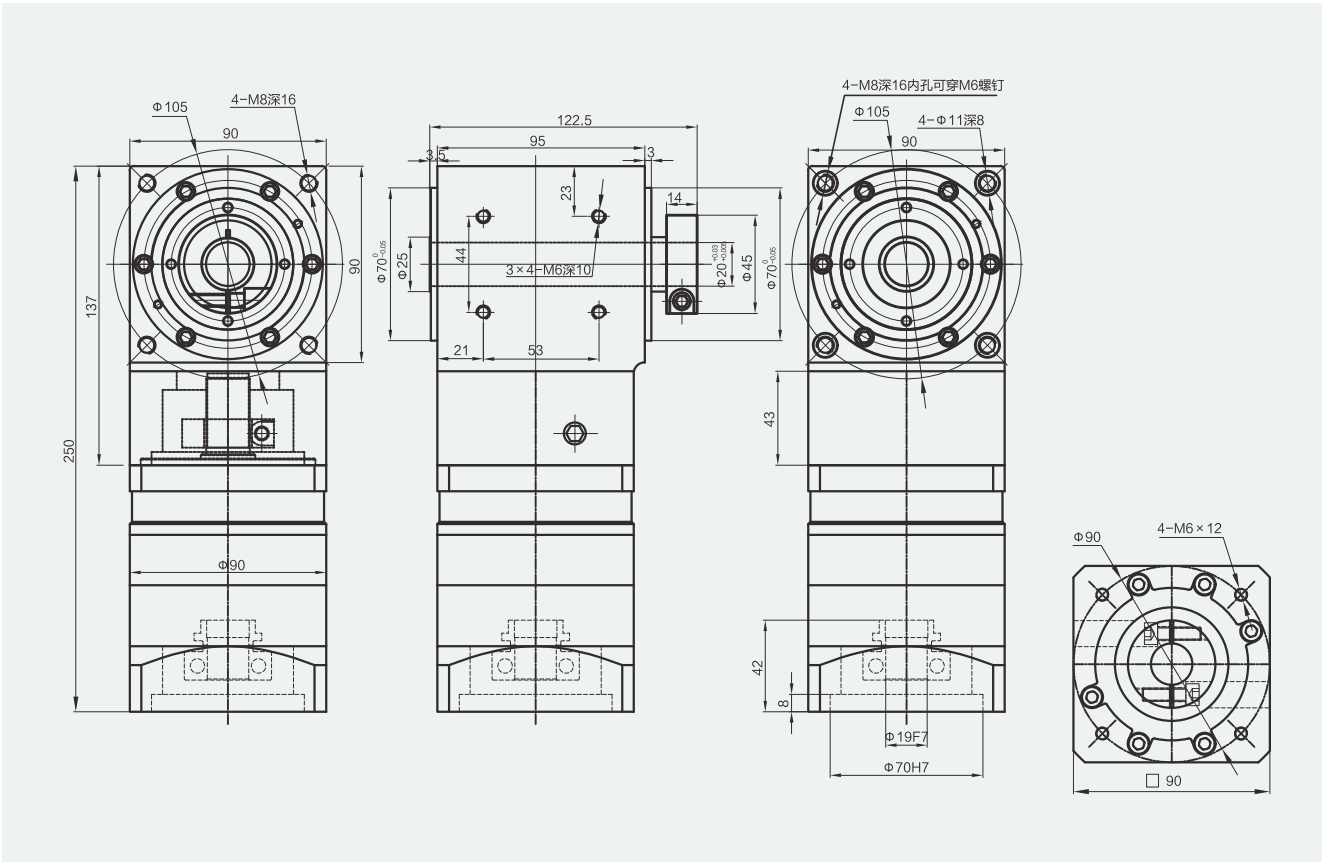
Precision Right Angle Reducer

Dimensional Drawings

ZB090-L1

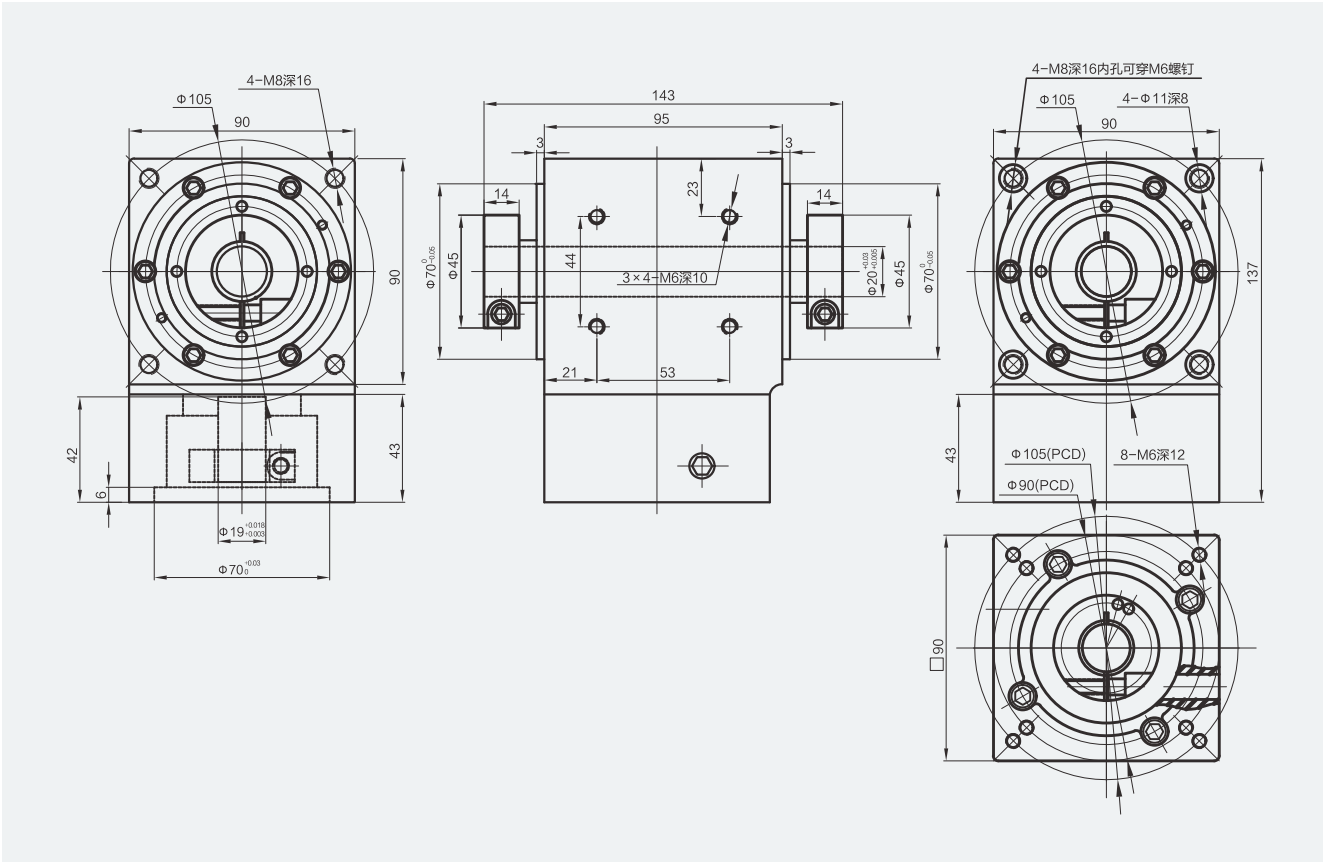


ZB090-L2



Dimensional Drawings

ZTB090-L1



ZTB090-L2

