

PRODUCT SERIES

HIGH PRECISION PLANETARY REDUCER

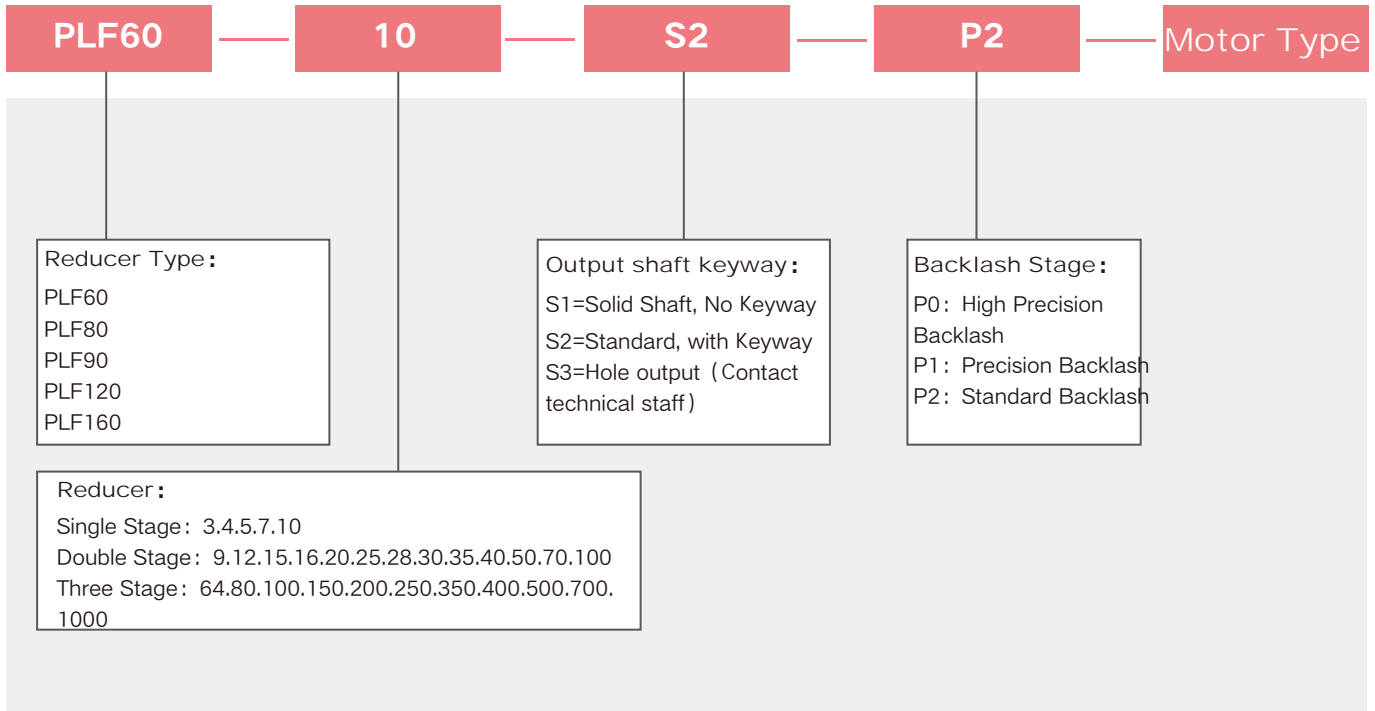
PLF Spur Gear Series



⚙️ PLF Spur Gear Series Features

- ⚙️ 1. Adopt spur gear transmission, after carburizing and quenching treatment, tooth to tooth wide practice treatment, Surface spraying, stable operation of equipment, low noise.
- ⚙️ 2. Simple structure, fast delivery time, mass production.
- ⚙️ 3. There are a variety of reducer, which can meet most of the working conditions in the market.

INDICATION OF MODEL NUMBERS PLF SERIES

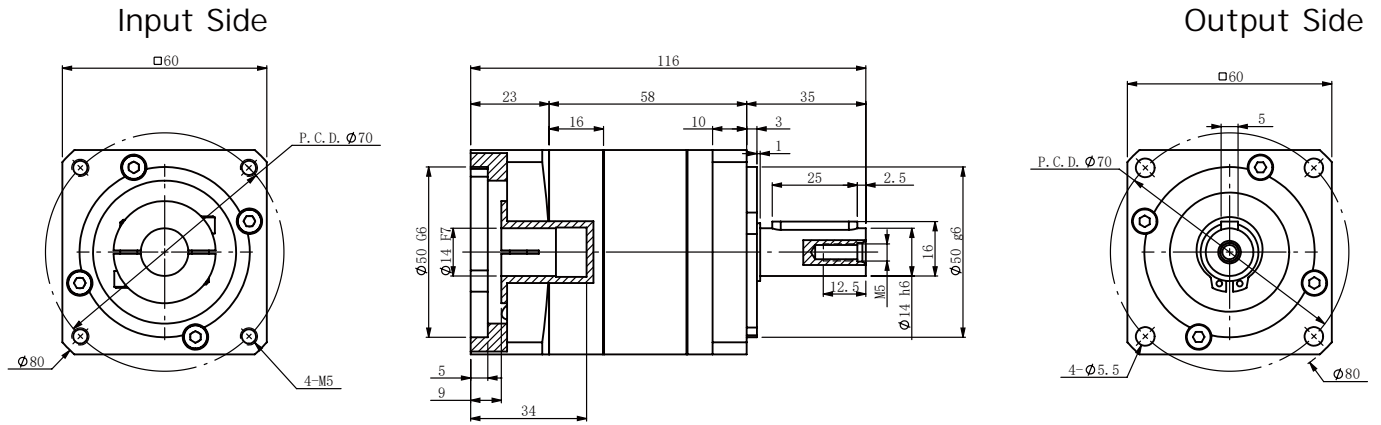


Reducer Rotation Inertia Gauge Table							
Specification	Unit	Stage	Ratio	PLF60	PLF80/90	PLF120	PLF160
Rotational inertia meter	kg/cm ²	1	3	0.62	3.38	11.74	33.74
			4	0.62	3.21	11.22	31.95
			5	0.61	3.25	11.11	31.95
			6				
			7	0.61	3.25	11.03	31.1
			8		3.25	11.03	
			10	0.61	3.16	11.03	31.1
		2	12-40	0.61	3.16	11.03	31.1
			50-100	0.61	3.16	0.13	31.1

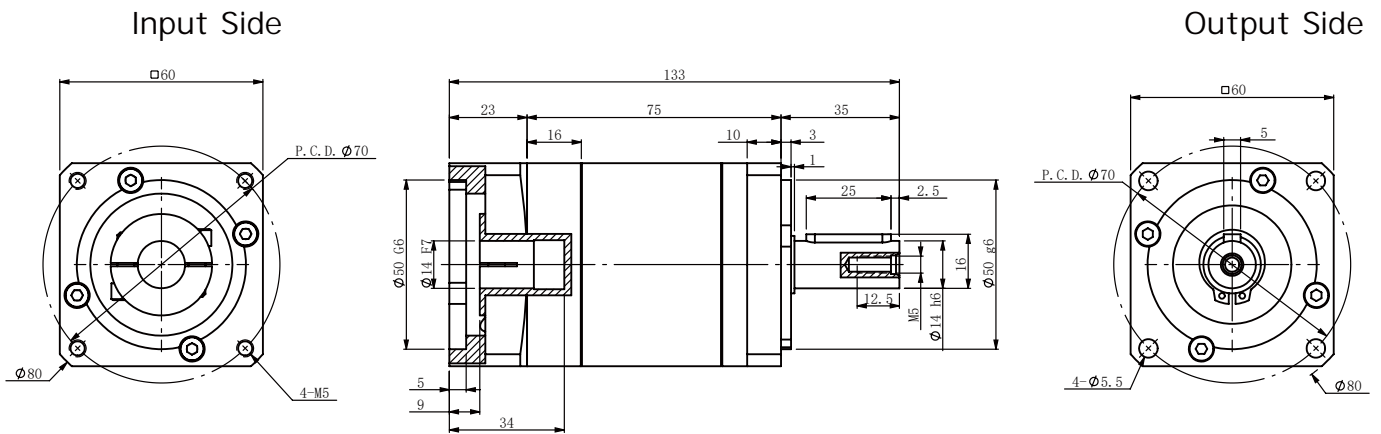
PLF Series Performance Table

Specification	Unit	Stage	Ratio	PLF60	PLF80	PLF90	PLF120	PLF160		
Rated output torque T_{2N}	Nm	1	4	42	142	142	280	585		
			5	42	142	142	280	585		
			7	33	92	92	198	378		
			10	15	54	54	95	310		
		2	16	42	142	142	280	585		
			20	42	142	142	280	585		
			25	42	142	142	280	585		
			35	42	142	142	280	585		
			40	42	142	142	280	585		
			50	42	142	142	280	585		
			70	33	92	92	198	378		
			100	15	54	54	95	310		
		3	64	42	142	142	280	585		
			80	42	142	142	280	585		
			100	42	142	142	280	585		
			125	42	142	142	280	585		
			140	42	142	142	280	585		
			175	42	142	142	280	585		
			245	42	142	142	280	585		
			350	42	142	142	280	585		
			400	42	142	142	280	585		
			500	42	142	142	280	585		
		700	33	92	92	198	378			
		1000	15	54	54	95	310			
		Max torque T_{2NOT}	Nm		Double rated output torque					
		Max radial force F_{2aB}	N		680	1750	1750	3100	6550	
		Max axial force F_{2aB}			340	875	875	1550	3275	
Efficiency	%		1	98						
			2	96						
			3	94						
Weight	kg		1	1.4	3.5	3.5	6.8	24.4		
			2	2.0	4.5	4.5	8.8	26		
			3	2.6	5.5	5.5	10.8	31		

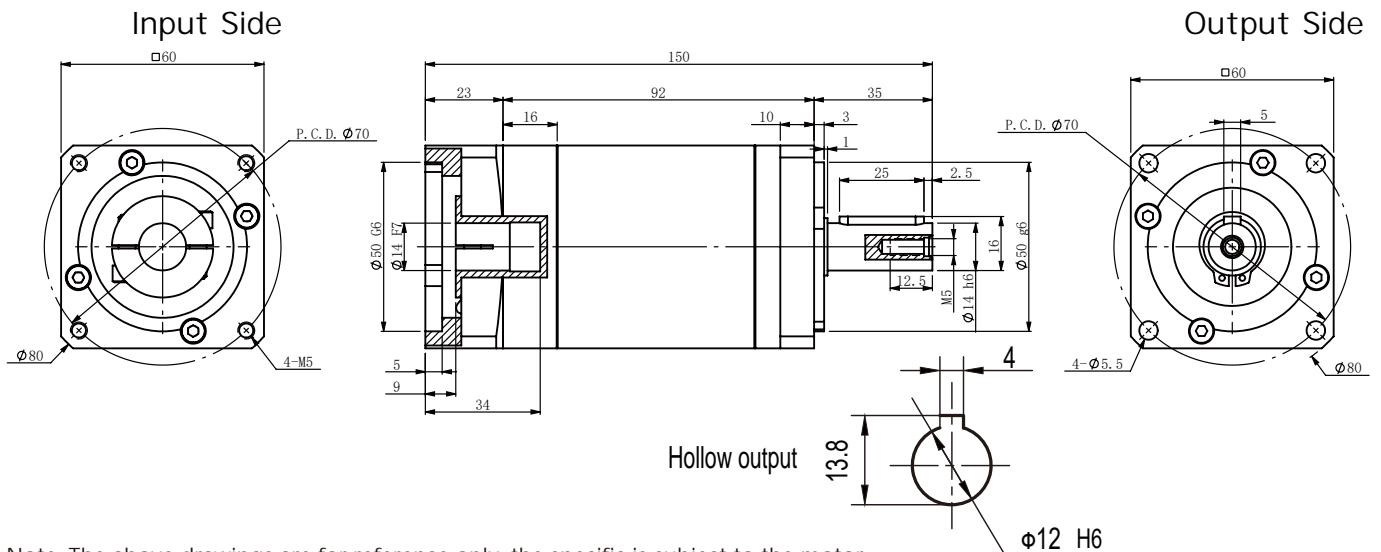
PLF60 One Stage Outline Diagram



PLF60 Two Stage Outline Diagram



PLF60 Three Stage Outline Diagram

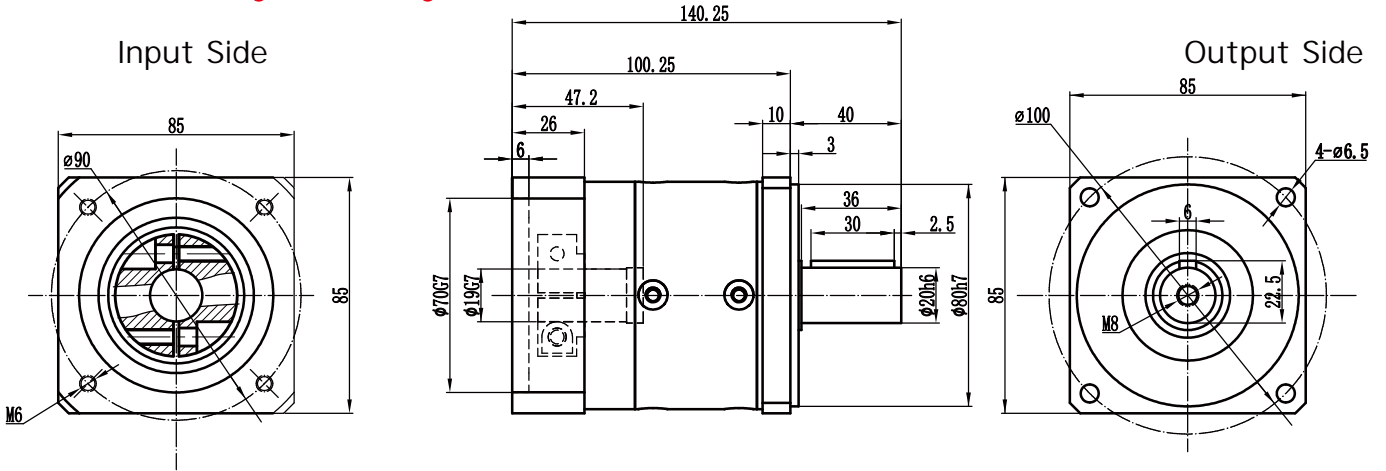


Note: The above drawings are for reference only, the specific is subject to the motor diagram, and the output can be in hollow form and can be customized non-standard.

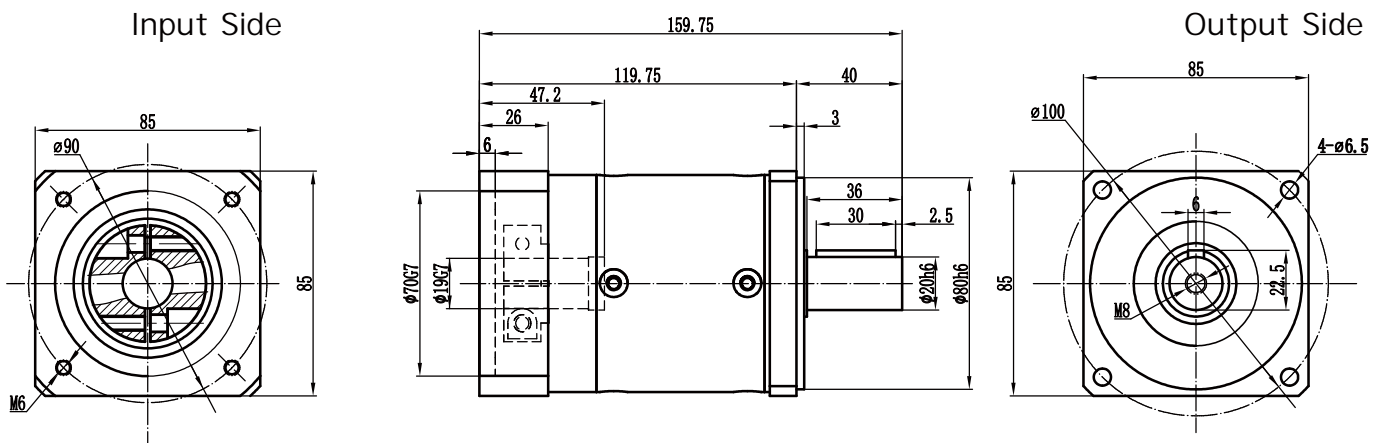
PLF80 Outline Diagram

19-70-90-M6接口

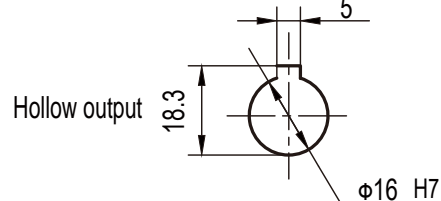
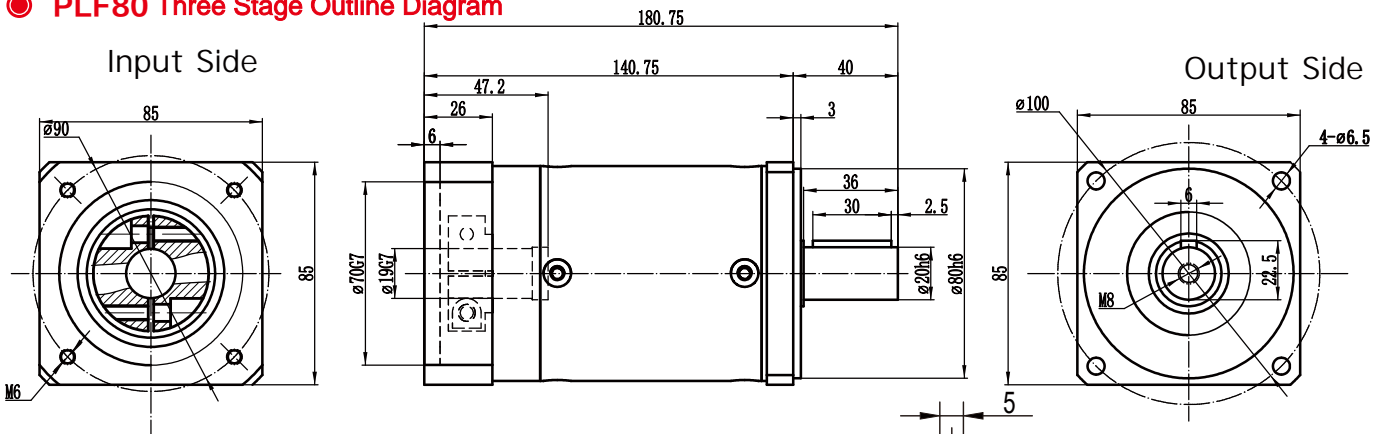
PLF80 One Stage Outline Diagram



PLF80 Two Stage Outline Diagram

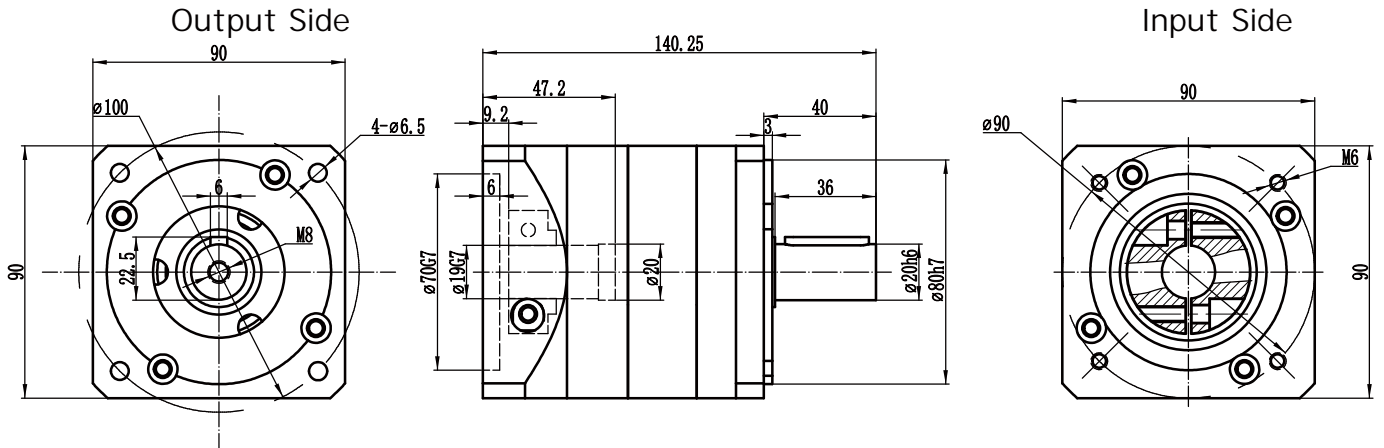


PLF80 Three Stage Outline Diagram

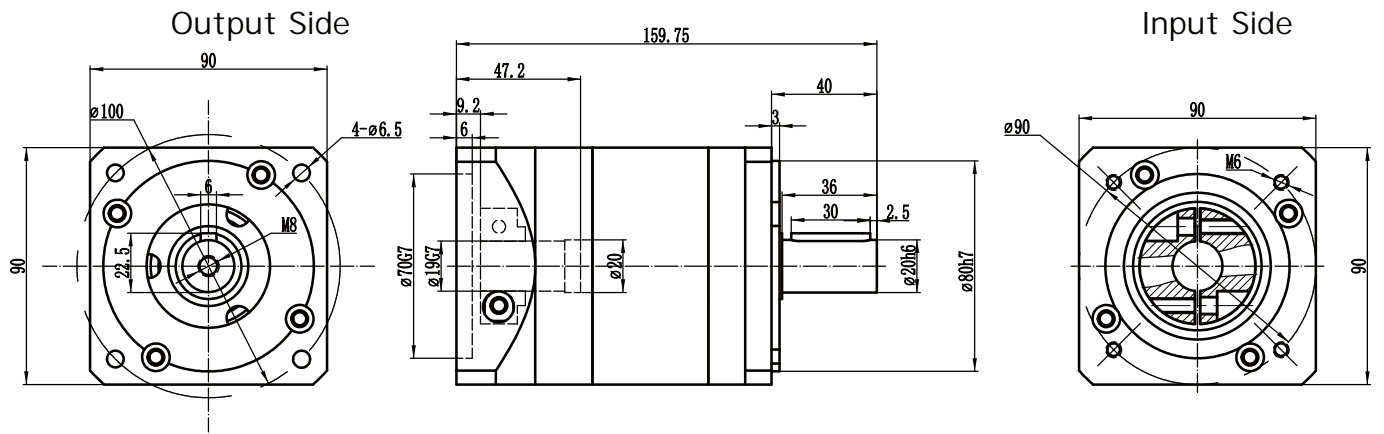


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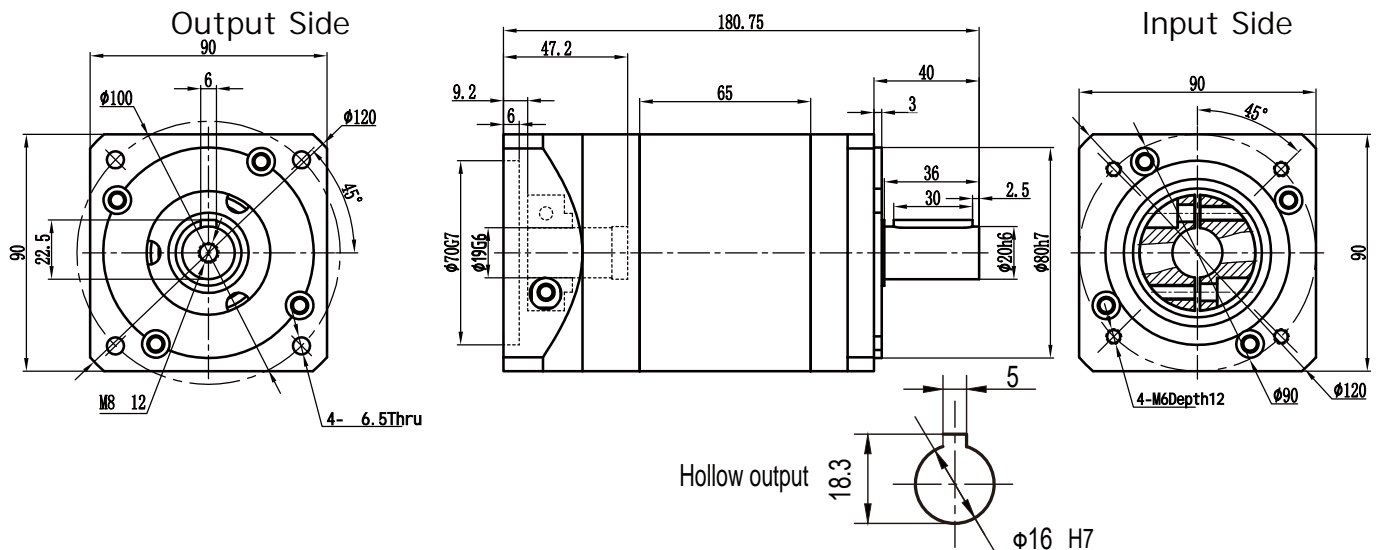
PLF90 One Stage Outline Diagram



PLF90 Two Stage Outline Diagram



PLF90 Three Stage Outline Diagram

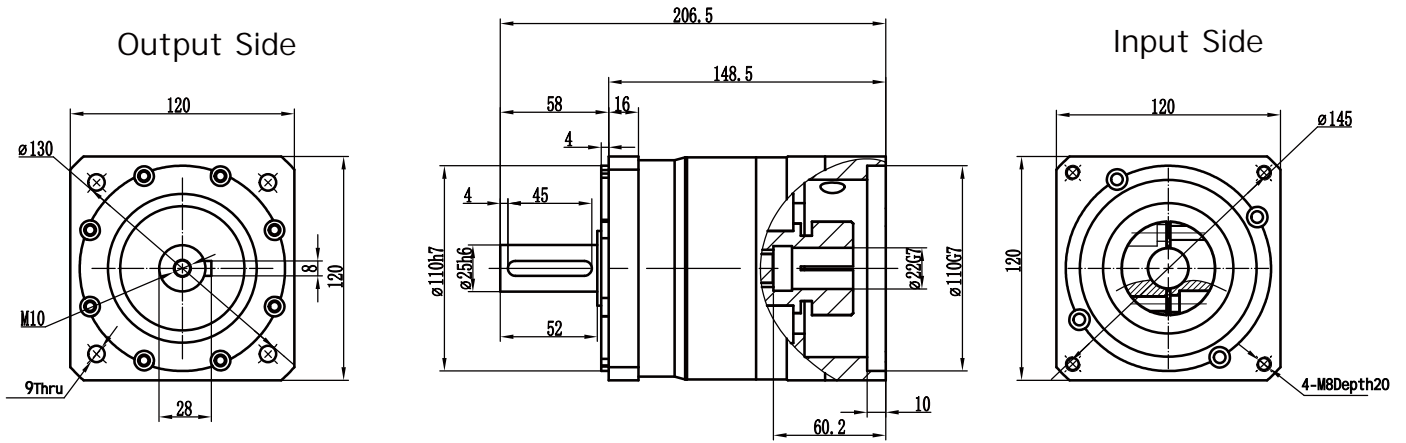


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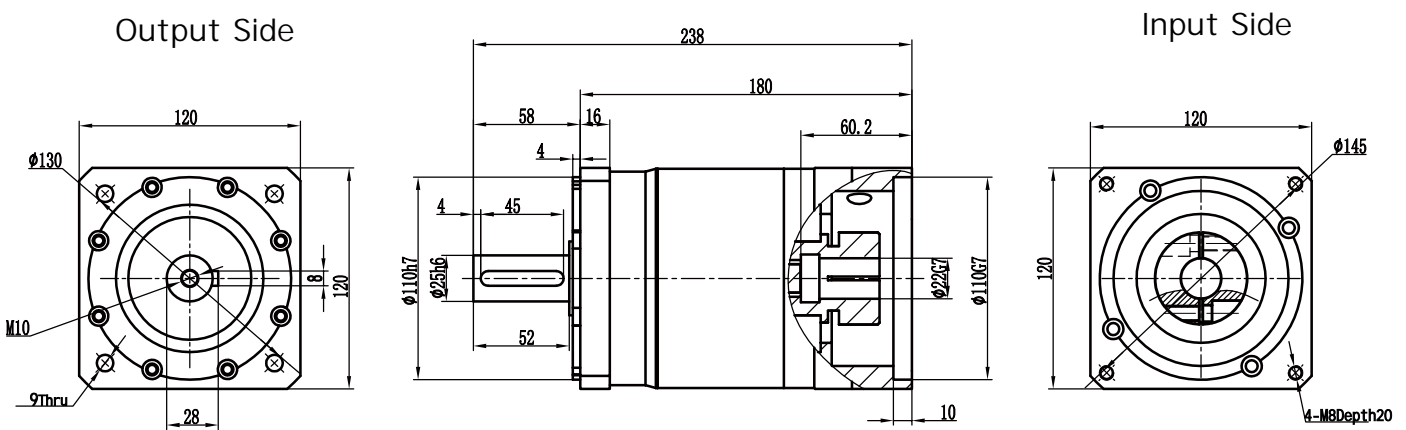
PLF120 Outline Diagram

22-110-145-M8接口

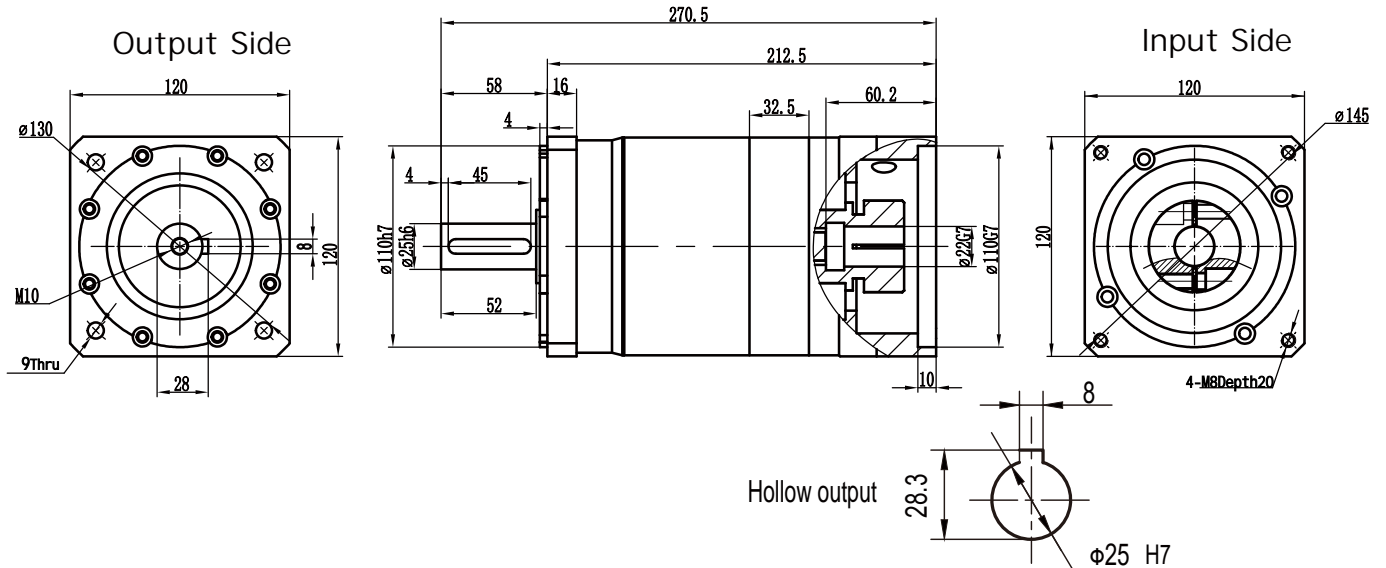
PLF120 One Stage Outline Diagram



PLF120 Two Stage Outline Diagram



PLF120 Three Stage Outline Diagram



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