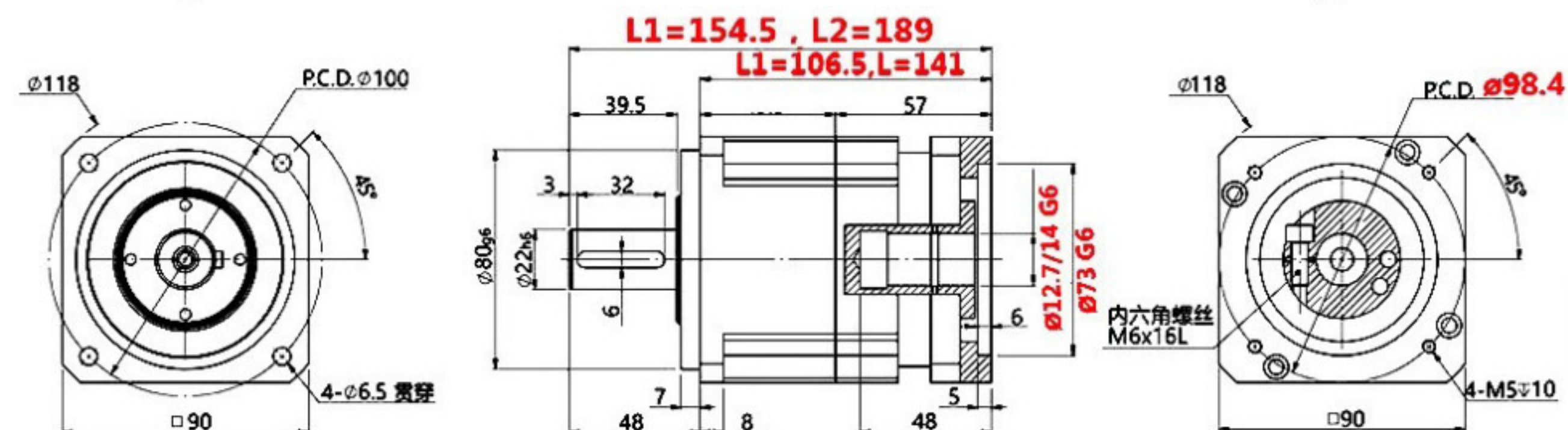


PLG090 Helical Planetary Gearbox Ratio 3:1 - 100:1 Parameter

PLG090 Gear Reducer Technical Parameters		
Technical Parameter	Unit	Value
Model	-	PLG090
Input Flange	mm	90
Input Size	mm	12.7/14/16/18
Max. Output Torque	Nm	2 Times Rated Output Torque
Instant Braking Torque	Nm	3 Times Rated Output Torque
Max Radial Torque	N	3250
Max Axis Torque	N	1300
Torsional Stiffness	Nm/arcmin	12
Max Input Speed	rpm	8000
Rated Input Speed	rpm	4000
Noise	dB	≤60
Life time	h	20000
Full Load Efficiency	%	L1≥95%, L2≥90%
Backlash (Stage 1)	arcmin	≤3
Backlash (Stage 2)	arcmin	≤5
IP Degree	-	IP65
Operating Temperature	°C	-10°C~+90°C
Rated Output Torque (Nm)		
Stage	Ratio	Rated Output Torque
Stage 1	3:01	105
	4:01	130
	5:01	130
	7:01	100
	10:01	75
Stage 2	15:01	105
	20:01	110
	25:01:00	110
	30:01:00	105
	35:01:00	110
	40:01:00	110
	50:01:00	110
	70:01:00	100
	100:01:00	75

Output

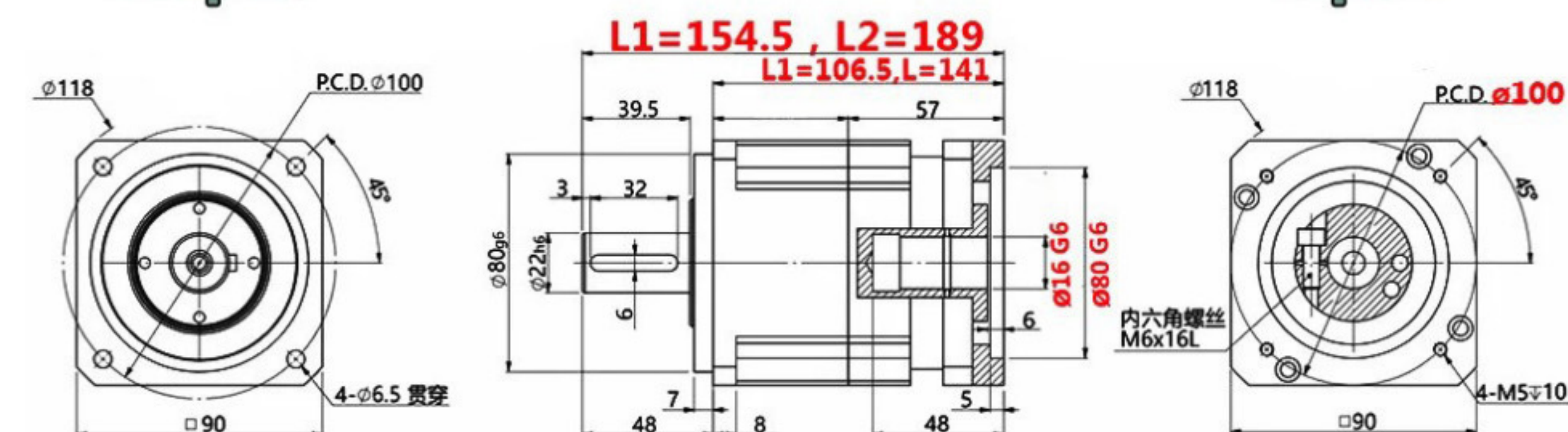
Input



16mm Input for 90mm Flange Servo Motor

Output

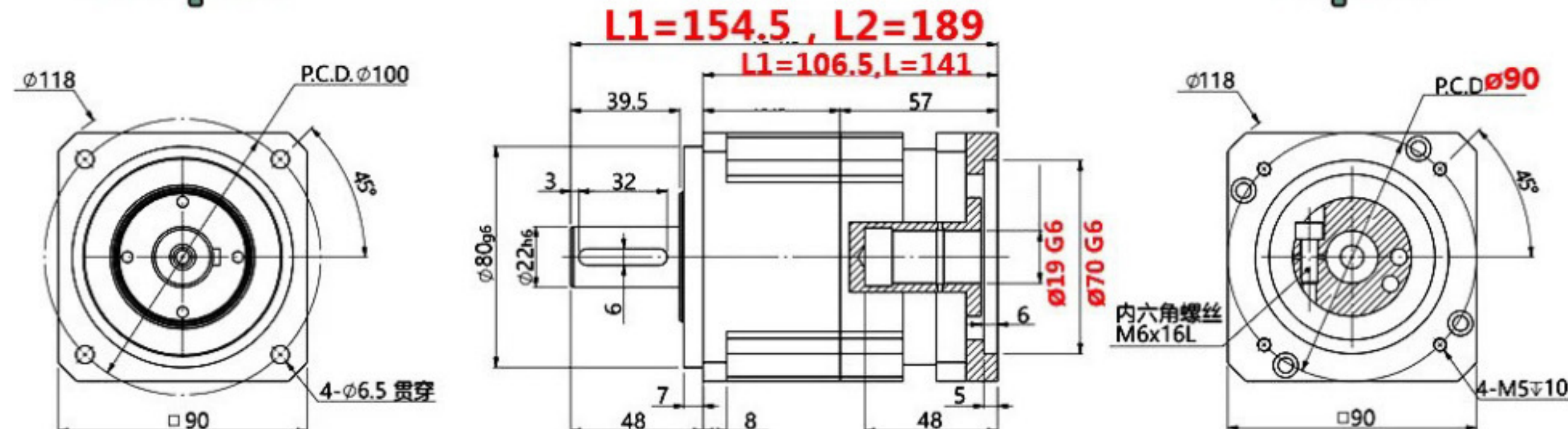
Input



19mm Input for 80mm Flange Servo Motor

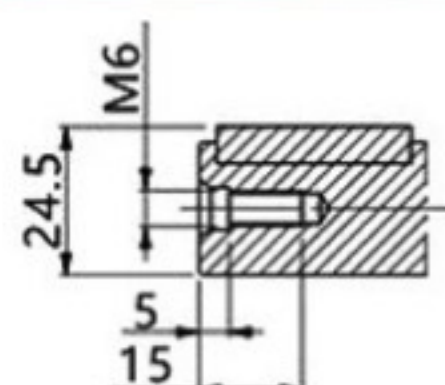
Output

Input



Output Shaft With Key

Speed Ratio



- 1 Stage (L1): 3:1/ 4:1/ 5:1/ 7:1/ 10:1
- 2 Stage (L2): 15:1/ 20:1/ 25:1/ 30:1/ 35:1/ 40:1/ 50:1/ 70:1/ 100:1