

PLE Series Planetary Reducer

The PLE series precision planetary reducers have excellent workmanship and high cost-effectiveness. It can be compatible with all brands of servo motors in the market, with flexible design and can be customized according to different hole sizes of motors. The main function of a reducer is to slow down the motor speed, amplify torque, and increase inertia. It is widely used in various automation equipment and instruments in the field of motion control. This gear box can match for stepper motor and servo motor ,we have different ratio.

PLE Series Reducer(PLE060 PLE090 PLE120 PLE160 PLE190)

4 Sizes Available	60mm,90mm,120mm,160mm
Rated Output Torque	8.5N.m~680N.m
Deceleration Ratio Single Grade	3,4,5,7,10
Double Stage	12,16,20,25,28,35,40,50,70,100
Class 3	80,100,125,140,175,200,250,350,400,500,700,1000
Feedback Back Lash Single Grade	Precision Back Lash<3 arc-min Standard Back Lash<8 arc-min
Double Stage	Precision Back Lash<5 arc-min Standard Back Lash<10 arc-min
Class 3	Precision Back Lash<8 arc-min Standard Back Lash<12 arc-min

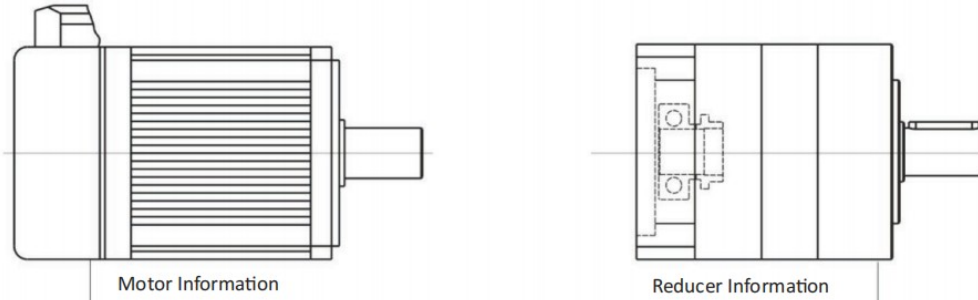
Characteristics of Lichuan planetary reducer

1. Cylindrical shell, beautiful appearance;
2. Closed design, compact structure;
3. High precision, good rigidity, and large load-bearing capacity;
4. Small size, high efficiency, long service life, and low noise;
5. Convenient installation and precise positioning of output end connection;
6. Suitable for deceleration transmission of AC servo motors, DC servo motors, and stepper motors.

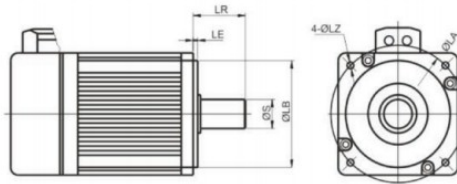
Installation sequence of Lichuan planetary reducer and servo motor

1. Install the servo motor shaft into the gearbox input shaft;
2. Tighten the screws (connection between servo and reducer);
3. Tighten the screwdrivers on both sides evenly;
4. Lock the torque wrench on both sides tightly;
5. Insert the protective cover into the screw hole of the reducer.

Reducer Model Description



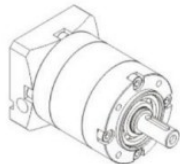
While matching reducer, motor installation dimensions shall be provided $\Phi S * LR / \Phi LB * LE / 4 - \Phi LZ - \Phi LA$. While calibrating the reasonableness of matching of motor and reducer, more detailed parameters shall be provided (such as rated speed, rated torque, max torque and etc.)



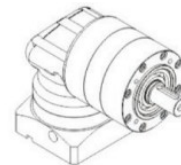
PLE060 - L1 - 5 - S2 - P2 - T/Motor Size or Drawing

Specification of reducer Select from Introduction of Product Series	STAGE(S) L1: Level 1 L2: Level 2 L3: Level 3	Speed ratio Select from Table of Parameters of Reducer Models	Output Shaft Form S2: Single-key Shaft S1: Optical Shaft K: Hollow Single-key Shaft	Accuracy class P2: Standard P1: Precision P0: High-precision	Special Non-standard	Motor Size
--	---	--	--	---	----------------------	------------

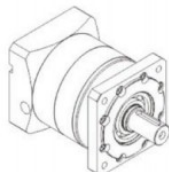
Specification Ordering Samples



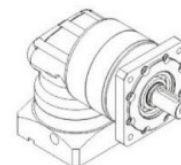
PLE060-L1-5-S2-P2/ $\phi 14 * 30 / \phi 50 * 3/4 - \phi 4.5 - \phi 70$



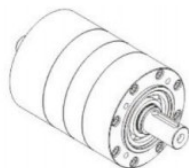
ZPLE090-L1-5-S2-P2/ $\phi 19 * 40 / \phi 70 * 3/4 - \phi 6.5 - \phi 90$



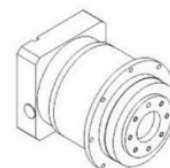
PLF090-L2-50-S1-P1/ $\phi 19 * 40 / \phi 70 * 3/4 - \phi 6.5 - \phi 90$



ZPLF090-L1-5-S1-P/ $\phi 19 * 40 / \phi 70 * 3/4 - \phi 6.5 - \phi 90$



PLS090-L2-50-S2-P1



PLH120-L2-50-S2-P1/ $\phi 22 * 55 / \phi 110 * 3/4 - \phi 9 - \phi 145$