

PRODUCT SERIES 产品系列

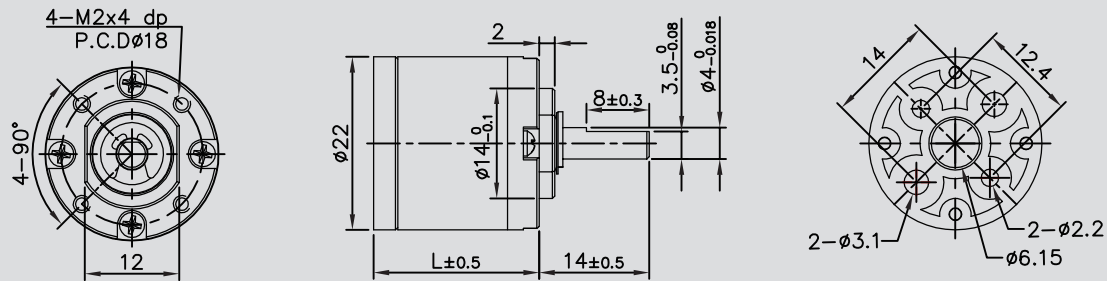
行星减速箱 Planetary Gearbox PG22



外壳材质 (Housing material): metal
背隙,无负荷时 (Backlash,at no-load): $\leq 1.5^\circ$
轴承型号 (Bearing at output): Sleeve bearings
径向间隙 (Radial play of shaft): $\leq 0.1 \text{ mm}$
轴向间隙 (Thrust play shaft): $\leq 0.2 \text{ mm}$
齿轮箱适用于RF-180和2238马达。
(The gear box can apply to RF-180 and 2238 motors)

⚠ 马达瞬间允许扭矩12kgf·cm。当使用低转速、高速比时，请选用低功率马达，请做好保护措施。
(When the motors using at low speed , high gear ratio will cause gear motor torque more than 12kgf.cm.At this torque the gears will be broken easily. Be noted.)

外形尺寸图/Appearance size



马达齿轮参数/Pinion Specifications

模数 Module	0.3	0.3		
齿数 NO.of teeth	15	18		
压力角 Pressure angle	20°	20°		
孔径 Hole diameter	φ 1.98	φ 1.98		

使用温度范围/Operating temperature range: $-30^\circ\text{C} \sim +85^\circ\text{C}$
使用相对湿度/Operating relative humidity: 20%~85%RH

标准减速比参数/Gearboxes Specifications

减速比 Raduction ratio	精确减速比 Raduction absolute	额定允许扭矩 Rated tolerance torque	极限扭矩 Max breaking torque	效率 Efficiency	级数 Number of stages	齿轮箱长度 "L" mm	输入输出方向 Input/output direction
3.5, 4	3 $\frac{1}{2}$, 4	1.0kgf·cm	3.0kgf·cm	90%	1	13.9	=
12.3, 16, 19	12 $\frac{1}{4}$, 16, 19	2.0kgf·cm	6.0kgf·cm	81%	2	17.5	=
42.8, 64, 90	42 $\frac{7}{8}$, 64, 90 $\frac{1}{4}$	4.0kgf·cm	12.0kgf·cm	73%	3	21.1	=
150, 256	150 $\frac{1}{16}$, 256	4.0kgf·cm	12.0kgf·cm	65%	4	24.7	=
304, 361, 428	304, 361, 428 $\frac{1}{16}$	4.0kgf·cm	12.0kgf·cm	65%	4	24.7	=
712, 1024	712 $\frac{51}{64}$, 1024	4.0kgf·cm	12.0kgf·cm	59%	5	28.3	=
1263, 1444	1263 $\frac{1}{2}$, 1444	4.0kgf·cm	12.0kgf·cm	59%	5	28.3	=
1500, 2036	1500 $\frac{13}{32}$, 2036 $\frac{17}{64}$	4.0kgf·cm	12.0kgf·cm	59%	5	28.3	=

○ 以上参数仅做参考，具体以实物为准。
The above parameters are for reference only.