

● PRODUCT SERIES 产品系列

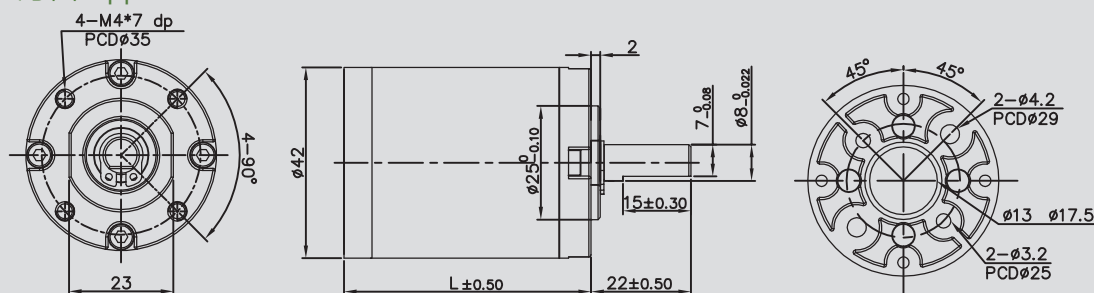
行星减速箱 Planetary Gearbox PG42



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): Ball bearings
 径向间隙 (Radial play of shaft): ≤ 0.1 mm
 轴向间隙 (Thrust play shaft): ≤ 0.2 mm
 齿轮箱适用于ZY40和RS-775马达。
 (The gear box can apply to ZY40 and RS-775 motors)

△ 马达瞬间允许扭矩360kgf·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 360kgf.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	0.6	0.6	0.6
齿数 NO. of teeth	17	17	21
压力角 Pressure angle	20°	20°	20°
孔径 Hole diameter	$\phi 3.19(2.9)$	$\phi 5$	$\phi 5$

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 Reduction ratio	精确减速比 Reduction 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 Gearbox length "L" mm	输入输出方向 Input/output direction
3.7	312/17	50.0kgf·cm	150.0kgf·cm	90%	1	31.8	=
10.2, 13.7, 19.2	10.179, 13212/289, 1938/187	100.0kgf·cm	300.0kgf·cm	81%	2	43.1	=
32.5, 50.9	32.476, 504397/4913	200.0kgf·cm	600.0kgf·cm	73%	3	54.4	=
71.2, 99.5	71524/3179, 991044/2057	200.0kgf·cm	600.0kgf·cm	73%	3	54.4	=
139, 188, 264	139.796, 188.611, 263.729	200.0kgf·cm	600.0kgf·cm	65%	4	65.7	=
396, 516	368.763, 515.630	200.0kgf·cm	600.0kgf·cm	65%	4	65.7	=
669, 997	698.969, 977.347	200.0kgf·cm	600.0kgf·cm	59%	5	77	=
1367, 1911	1366.593, 1910.864	200.0kgf·cm	600.0kgf·cm	59%	5	77	=
2672	2671.901	200.0kgf·cm	600.0kgf·cm	59%	5	77	=

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