

PD008008

Φ8mm PD planetary gearbox

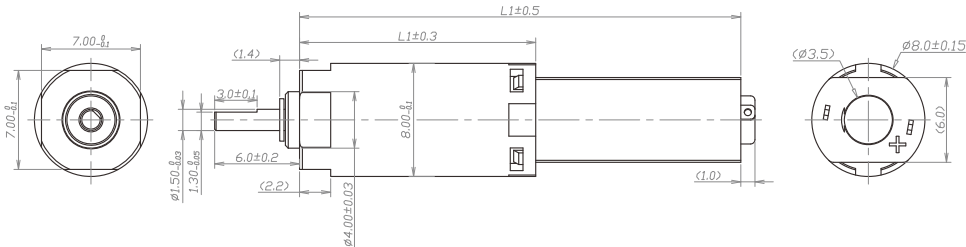


Gearbox Specifications

Outer diameter	8mm	Bearing	oil-impregnated bearings
Material	Plastic	Axial Play	≤0.3mm
Direction of rotation	cw & ccw	Radial Load at Output Shaft	≤0.8N
Backlash	≤3°	Operating temperature range	-20 ~ +85°C

Gearbox Stages	1	2	3	4
Reduction ratio	4 / 5	13 / 19 / 28	47 / 69 / 102 / 152	168 / 249 / 369 / 546 / 809
Max rated torque of gearbox (gf.cm)	50	100	200	400
Max. intermittent torque (gf.cm)	200	300	600	900
Gearbox efficiency (%)	85	73	65	58
Gearbox length L1 (mm)	8.6	11.3	14	16.7

Technical Drawing



Motor Specifications

Motor type (optional)	Brushed DC motor, Stepper motor	Input speed	≤30000rpm
Voltage (optional)	3-12V	Load current	150mA max

Model	Rated Speed	Max Speed	Max. Rated Torque of Gearbox	Max. Intermittent Torque of Gearbox	Reduction Ratio	Gearbox Length	Overall Length
	rpm	rpm	gf.cm	gf.cm		mm	mm
PD008008-4	3111	4233	50	200	3.6	8.6	23.1
PD008008-5	2100	2857	50	200	5.3		
PD008008-13	864	1122	100	300	13.0		
PD008008-19	583	758	100	300	19.2	11.3	25.8
PD008008-28	394	511	100	300	28.4		
PD008008-47	240	306	200	600	46.7		
PD008008-69	162	207	200	600	69.1	14.0	28.5
PD008008-102	109	140	200	600	102.4		
PD008008-152	74	94	200	600	151.7		
PD008008-168	67	84	300	900	168.0	16.7	31.2
PD008008-249	45	56	300	900	248.8		
PD008008-369	30	38	300	900	368.6		
PD008008-546	21	26	300	900	546.1		
PD008008-809	14	17	300	900	809.1		