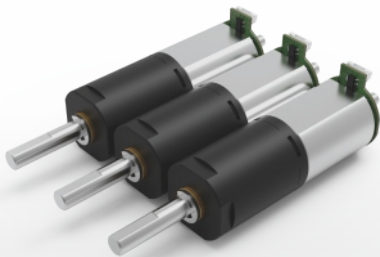


PD012012

Φ12mm PD planetary gearbox

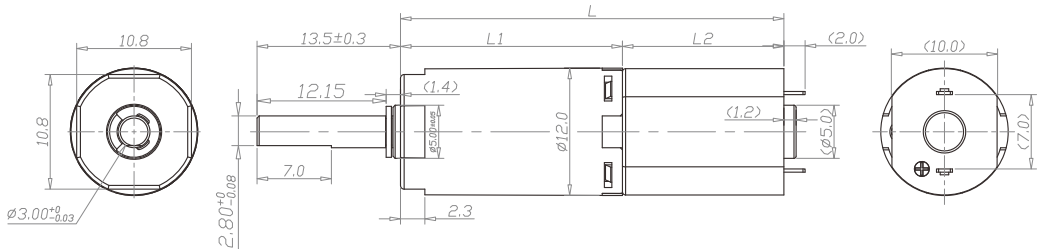


Gearbox Specifications

Outer diameter	12mm	Bearing	oil-impregnated bearings
Material	Plastic	Axial Play	≤0.3mm
Direction of rotation	cw & ccw	Radial Load at Output Shaft	≤5N
Backlash	≤3°	Operating temperature range	-20 ~ +85°C

Gearbox Stages	1	2	3	4
Reduction ratio	4 / 6	16 / 24 / 36	64 / 96 / 144 / 216	256 / 384 / 576 / 864 / 1296
Max rated torque of gearbox (gf.cm)	200	400	600	850
Max. intermittent torque (gf.cm)	500	800	1200	1700
Gearbox efficiency (%)	85	73	65	58
Gearbox length L1 (mm)	9.5	13.3	17.1	20.9

Technical Drawing



Motor Specifications

Motor type (optional)	Brushed DC motor, Brushless DC motor, Coreless motor, Stepper motor	Input speed	≤30000rpm
Voltage (optional)	3-24V	Load current	250mA 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
PD012012-4	1875	7500	200	500	4	9.5	24.5
PD012012-6	1250	5000	200	500	6		
PD012012-16	469	1875	400	800	16		
PD012012-24	313	1250	400	800	24	13.3	28.3
PD012012-36	208	833	400	800	36		
PD012012-64	117	469	600	1200	64		
PD012012-96	78	313	600	1200	96		
PD012012-144	52	208	600	1200	144	17.1	32.1
PD012012-216	35	139	600	1200	216		
PD012012-256	29	117	850	1700	256		
PD012012-384	20	78	850	1700	384		
PD012012-576	13	52	850	1700	576	20.9	35.9
PD012012-864	9	35	850	1700	864		
PD012012-1296	6	23	850	1700	1296		