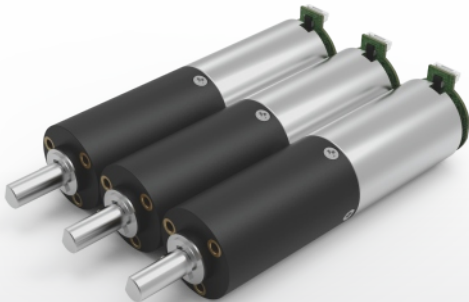


PD022022

Φ22mm PD planetary gearbox

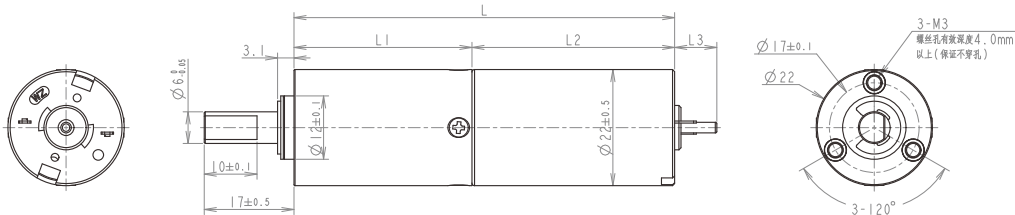


Gearbox Specifications

Outer diameter	22mm	Bearing	oil-impregnated bearings	Rolling bearing
Material	Plastic	Axial Play	≤0.1mm	≤0.1mm
Direction of rotation	cw & ccw	Radial Load at Output Shaft	≤50N	≤100N
Backlash	≤3° Customizable	Operating temperature range	-20 ~ +85℃	

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)	8000	8000	8000	8000
Max. intermittent torque (gf.cm)	20000	20000	20000	20000
Gearbox efficiency (%)	85	73	65	58
Gearbox length L1 (mm)	19.1	26.4	33.7	41

Technical Drawing



Motor Specifications

Motor type (optional)	Brushless DC motor, Coreless motor, Stepper motor	Input speed	≤15000rpm
Voltage (optional)	3~24V	Load current	300mA max

Parameter (values at 24V & 8300rpm) The following data is for reference only.

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
PD022022-4	1875	7500	8000	20000	4	19.1	57.5
PD022022-6	1250	5000	8000	20000	6		
PD022022-16	469	1875	8000	20000	16		
PD022022-24	313	1250	8000	20000	24	26.4	64.8
PD022022-36	208	833	8000	20000	36		
PD022022-64	117	469	8000	20000	64		
PD022022-96	78	313	8000	20000	96	33.7	72.1
PD022022-144	52	208	8000	20000	144		
PD022022-216	35	139	8000	20000	216		
PD022022-256	29	117	8000	20000	256	41	79.4
PD022022-384	20	78	8000	20000	384		
PD022022-576	13	52	8000	20000	576		
PD022022-864	9	35	8000	20000	864		
PD022022-1296	6	23	8000	20000	1296		