

PD028028

Φ28mm PD planetary gearbox

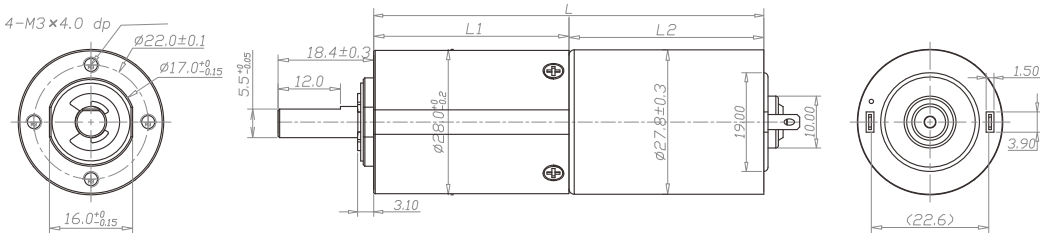


Gearbox Specifications

Outer diameter	28mm	Bearing	oil-impregnated bearings	Rolling bearing
Material	Plastic	Axial Play	≤0.1mm	≤0.1mm≤100N
Direction of rotation	cw & ccw	Radial Load at Output Shaft	≤50N	
Backlash	≤3° Customizable	Operating temperature range	-20 ~ +85°C	

Gearbox Stages	2	3	4
Reduction ratio	16 / 24 / 36	64 / 96 / 144 / 216	256 / 384 / 576 / 864 / 1296
Max rated torque of gearbox (gf.cm)	15000	15000	15000
Max. intermittent torque (gf.cm)	60000	60000	60000
Gearbox efficiency (%)	76	66	57
Gearbox length L1 (mm)	29.1	37.6	46.1

Technical Drawing



Motor Specifications

Motor type (optional)	Brushed DC motor, Brushless DC motor, Stepper motor	Input speed	≤15000rpm
Voltage (optional)	3-24V	Load current	400mA max

Parameter (values at 24V & 7700rpm) 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
PD028028-16	413	472	15000	60000	16	29.1	66.6
PD028028-24	276	312	15000	60000	24		
PD028028-36	181	211	15000	60000	36		
PD028028-64	104	119	15000	60000	64	37.6	75.1
PD028028-96	69	79	15000	60000	96		
PD028028-144	46	54	15000	60000	144		
PD028028-216	31	35	15000	60000	216		
PD028028-256	26	30	15000	60000	256		
PD028028-384	17	19	15000	60000	384	46.1	83.6
PD028028-576	12	13	15000	60000	576		
PD028028-864	8	9	15000	60000	864		
PD028028-1296	5	6	15000	60000	1296		