

MD028028

Φ28mm MD planetary gearbox

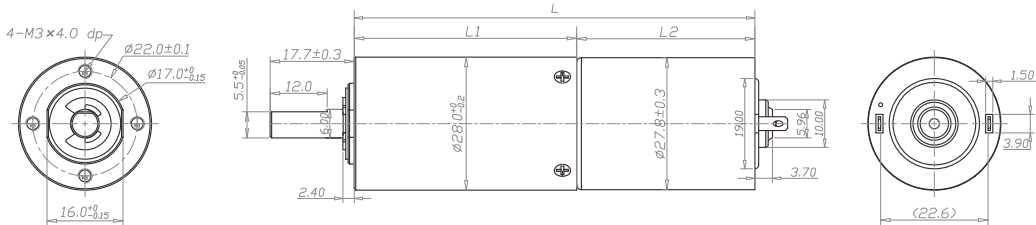


Gearbox Specifications

Outer diameter	28mm	Bearing	oil-impregnated bearings	Rolling bearing
Material	Metal	Axial Play	≤0.1mm	≤0.1mm
Direction of rotation	cw & ccw	Radial Load at Output Shaft	≤120N	≤170N
Backlash	≤2° Customizable	Operating temperature range	-30 ~ +100℃	

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)	40000	40000	40000	40000
Max. intermittent torque (gf.cm)	120000	120000	120000	120000
Gearbox efficiency (%)	87	64	51	41
Gearbox length L1 (mm)	21.3	29.8	38.3	46.8

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
MD028028-4	1658	1925	40000	120000	4	21.3	58.8
MD028028-6	1105	1283	33000	100000	6		
MD028028-16	413	472	40000	120000	16		
MD028028-24	276	312	40000	120000	24	29.8	67.3
MD028028-36	181	211	33000	100000	36		
MD028028-64	104	119	40000	120000	64		
MD028028-96	69	79	40000	120000	96	38.3	75.8
MD028028-144	46	54	40000	120000	144		
MD028028-216	31	35	33000	100000	216		
MD028028-256	26	30	40000	120000	256	46.8	84.3
MD028028-384	17	19	40000	120000	384		
MD028028-576	12	13	40000	120000	576		
MD028028-864	8	9	40000	120000	864		
MD028028-1296	5	6	33000	100000	1296		