

MD024024

Φ24mm MD planetary gearbox

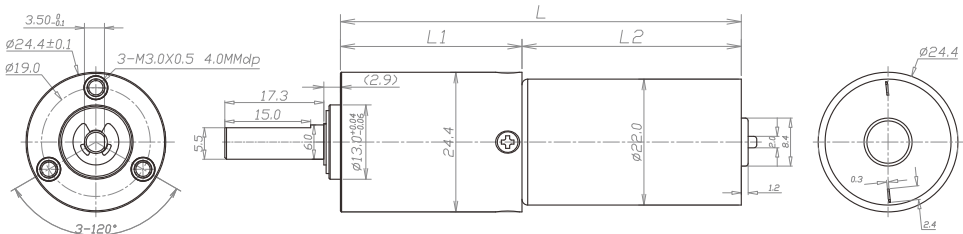


Gearbox Specifications

Outer diameter	24mm	Bearing	oil-impregnated bearings	Rolling bearing
Material	Metal	Axial Play	≤0.2mm	≤0.2mm
Direction of rotation	cw & ccw	Radial Load at Output Shaft	≤100N	≤272N
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)	20000	20000	20000	20000
Max. intermittent torque (gf.cm)	60000	60000	60000	60000
Gearbox efficiency (%)	85	75	65	55
Gearbox length L1 (mm)	19	25	32	39

Technical Drawing



Motor Specifications

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

Parameter (values at 12V & 6000rpm) 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
MD024024-4	1150	1500	20000	60000	4	19.0	49.8
MD024024-6	767	1000	20000	60000	6		
MD024024-16	288	375	20000	60000	16		
MD024024-24	192	250	20000	60000	24	25.0	55.8
MD024024-36	128	167	20000	60000	36		
MD024024-64	72	94	20000	60000	64		
MD024024-96	48	63	20000	60000	96	32.0	62.8
MD024024-144	32	42	20000	60000	144		
MD024024-216	21	38	20000	60000	216		
MD024024-256	18	23	20000	60000	256	39.0	69.8
MD024024-384	12	16	20000	60000	384		
MD024024-576	8	10	20000	60000	576		
MD024024-864	5	7	20000	60000	864	39.0	69.8
MD024024-1296	4	5	20000	60000	1296		