

MD016016

Φ16mm

MD planetary gearbox

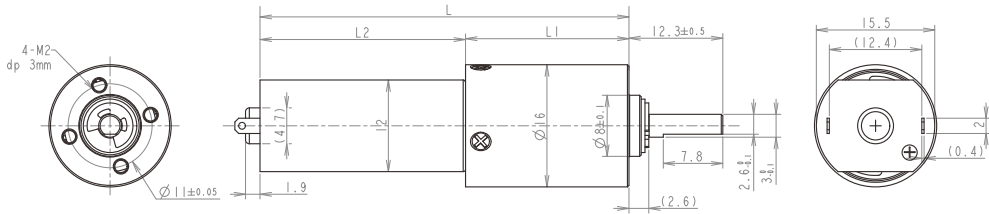


Gearbox Specifications

Outer diameter	16mm	Bearing	oil-impregnated bearings	Rolling bearing
Material	Metal	Axial Play	≤0.3mm	≤0.3mm
Direction of rotation	cw & ccw	Radial Load at Output Shaft	≤20N	≤30N
Backlash	≤2°	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)	5000	5000	5000	5000
Max. intermittent torque (gf.cm)	10000	10000	10000	10000
Gearbox efficiency (%)	90	85	80	75
Gearbox length L1 (mm)	11.5	14.8	18.1	21.4

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

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
MD016016-4	1875	7500	5000	10000	4	11.5	38.4
MD016016-6	1250	5000	5000	10000	6		
MD016016-16	469	1875	5000	10000	16		
MD016016-24	313	1250	5000	10000	24	14.8	41.7
MD016016-36	208	833	5000	10000	36		
MD016016-64	117	469	5000	10000	64		
MD016016-96	78	313	5000	10000	96	18.1	45.0
MD016016-144	52	208	5000	10000	144		
MD016016-216	35	139	5000	10000	216		
MD016016-256	29	117	5000	10000	256	21.4	48.3
MD016016-384	20	78	5000	10000	384		
MD016016-576	13	52	5000	10000	576		
MD016016-864	9	35	5000	10000	864		
MD016016-1296	6	23	5000	10000	1296		