

MD008008

Φ8mm MD planetary gearbox

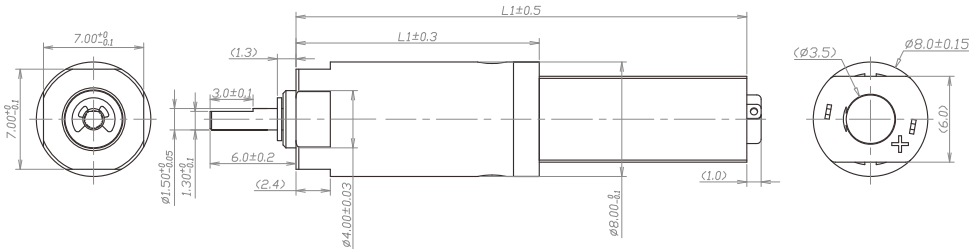


Gearbox Specifications

Outer diameter	8mm	Bearing	oil-impregnated bearings
Material	Metal	Axial Play	≤0.3mm
Direction of rotation	cw & ccw	Radial Load at Output Shaft	≤2N
Backlash	≤3°	Operating temperature range	-20 ~ +85°C

Gearbox Stages	1	2	3	4
Reduction ratio	4 / 5	13 / 19 / 28	47 / 69 / 102 / 152	168 / 249 / 369 / 546 / 809
Max rated torque of gearbox (gf.cm)	250	400	600	750
Max. intermittent torque (gf.cm)	500	800	1200	1500
Gearbox efficiency (%)	85	73	62	55
Gearbox length L1 (mm)	11.6	14.3	17	19.7

Technical Drawing



Motor Specifications

Motor type (optional)	Brushed DC motor, Stepper motor	Input speed	≤30000rpm
Voltage (optional)	3-12V	Load current	150mA 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
MD008008-4	3361	4630	250	500	3.6	11.6	26.1
MD008008-5	2269	3125	250	500	5.3		
MD008008-13	934	1228	400	800	13.0		
MD008008-19	630	829	400	800	19.2	14.3	28.8
MD008008-28	425	559	400	800	28.4		
MD008008-47	259	335	600	1200	46.7		
MD008008-69	175	226	600	1200	69.1	17.0	31.5
MD008008-102	118	153	600	1200	102.4		
MD008008-152	80	103	600	1200	151.7		
MD008008-168	72	91	750	1500	168.0	19.7	34.2
MD008008-249	49	62	750	1500	248.8		
MD008008-369	33	42	750	1500	368.6		
MD008008-546	22	28	750	1500	546.1		
MD008008-809	15	19	750	1500	809.1		