



MD008008

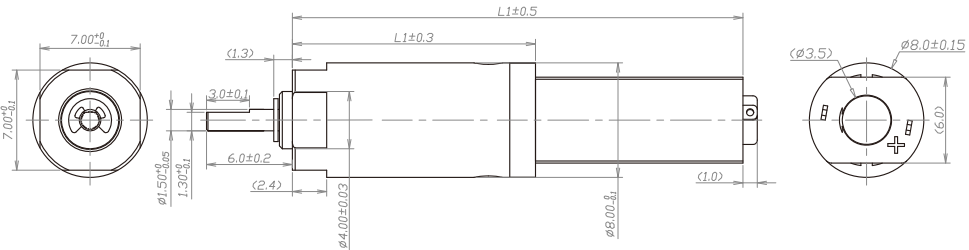
Gearbox Specifications

Outer diameter	8mm	Bearing	Porous bearing
Material	Metal	Axial endplay	≤0.3mm
Direction of rotation	cw & ccw	Radial loading on output shaft	≤2N
Gear 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
Instant torque of gearbox (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	Current	150mA max

Model	Rated Speed	Max Speed	Max Rated Torque	Max Instant Torque	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	14.3	28.8
MD008008-19	630	829	400	800	19.2		
MD008008-28	425	559	400	800	28.4		
MD008008-47	259	335	600	1200	46.7	17.0	31.5
MD008008-69	175	226	600	1200	69.1		
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		

*Please contact us for customized products