



MD032032

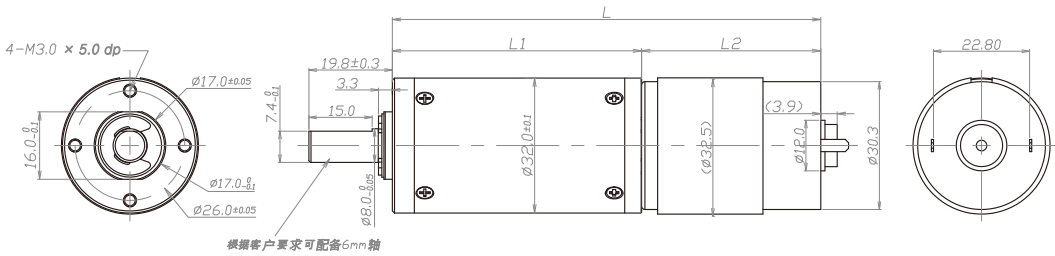
Gearbox Specifications

Outer diameter	32mm	Bearing	Porous bearing	Rolling bearing
Material	Metal	Axial endplay	≤0.3mm	≤0.3mm
Direction of rotation	cw & ccw	Radial loading on output shaft	≤120N	≤180N
Gear backlash	≤3° Customizable	Operating temperature range	-20 ~ +75°C	

Gearbox Stages

	2	3	4
Reduction ratio	16 / 23 / 33	67 / 94 / 133 / 188	272 / 383 / 541 / 764 / 1078
Max rated torque of gearbox (gf.cm)	50000	50000	50000
Instant torque of gearbox (gf.cm)	150000	150000	150000
Gearbox efficiency (%)	85	80	75
Gearbox length L1 (mm)	39.1	49.1	59.1

Technical Drawing



Motor Specifications

Motor type (optional)	Brushed DC motor, Brushless DC motor	Input speed	≤12000rpm
Voltage (optional)	3-24V	Current	300mA max

Parameter (values at 24V & 7700rpm) The following data is for reference only.

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
MD032032-16	469	1875	50000	150000	16	39.1	81.6
MD032032-23	313	1250	50000	150000	23		
MD032032-33	227	909	50000	150000	33		
MD032032-67	112	448	50000	150000	67	49.1	91.6
MD032032-94	80	319	50000	150000	94		
MD032032-133	56	226	50000	150000	133		
MD032032-188	40	160	50000	150000	188		
MD032032-272	28	110	50000	150000	272	59.1	101.6
MD032032-383	20	78	50000	150000	383		
MD032032-541	14	56	50000	150000	541		
MD032032-764	10	39	50000	150000	764		
MD032032-1078	7	28	50000	150000	1078		

*Please contact us for customized products