

32
mm**M**
Metal

ZWBMD032032

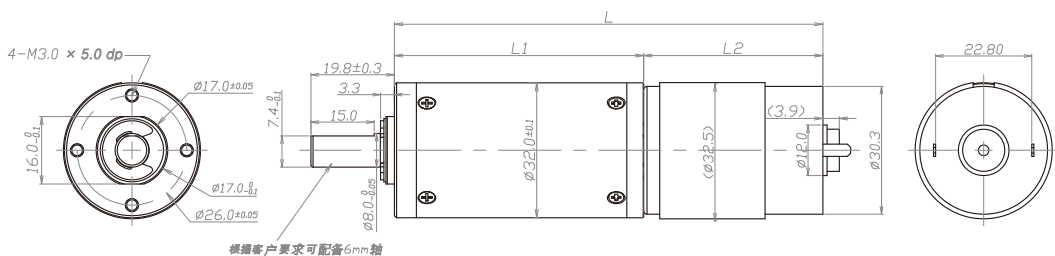
Gearbox specifications

Outer diameter	32mm	Bearing	Porous bearing	Rolling bearing
Material	Metal	Axial endplay	≤0.1mm	≤0.1mm
Direction of rotation	cw & ccw	Radial loading on output shaft	≤120N	≤180N
Gear backlash	≤2° (Customisable)	Operating temperature range	-30~ +100°C	

Gearbox stages

	1	2	3	4
Reduction ratio	4 / 6	16 / 24 / 33	67 / 94 / 133 / 188	272 / 383 / 540 / 763 / 1076
Max rated torque of gearbox (gf.cm)	50000	50000	50000	50000
Instant torque of gearbox (gf.cm)	150000	150000	150000	150000
Gearbox efficiency	90	85	80	75
Length L1 (mm)	29.1	39.1	49.1	59.1

Technical illustrations



Motor specifications

Motors	DC brush motor, Stepper motor, Brushless motor	Input speed	≤15000rpm
Voltage(Optional)	3-24V	Current	300mA max

Reference data (motor definition value): 24v 7700rpm The following table is tested according to the motor definition value, the data is only for reference

Model	Rated Speed	Max Speed	Max Rated Torque	Max Instant Torque	Reduction ratio	Length L1	Overall Length
	rpm	rpm	gf.cm	gf.cm			
ZWBMD032032-4	1875	7500	50000	150000	4	29.1	71.6
ZWBMD032032-6	1250	5000	50000	150000	6		
ZWBMD032032-16	469	1875	50000	150000	16	39.1	81.6
ZWBMD032032-24	313	1250	50000	150000	24		
ZWBMD032032-33	227	909	50000	150000	33		
ZWBMD032032-67	112	448	50000	150000	67	49.1	91.6
ZWBMD032032-94	80	319	50000	150000	94		
ZWBMD032032-133	56	226	50000	150000	133		
ZWBMD032032-188	40	160	50000	150000	188		
ZWBMD032032-272	28	110	50000	150000	272	59.1	101.6
ZWBMD032032-383	20	78	50000	150000	383		
ZWBMD032032-540	14	56	50000	150000	540		
ZWBMD032032-763	10	39	50000	150000	763		
ZWBMD032032-1076	7	28	50000	150000	1076		

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