



# ZWPD008008

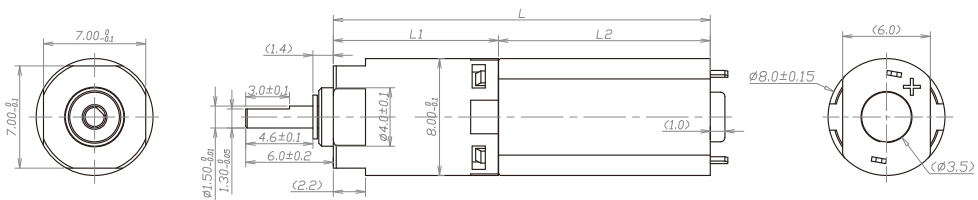
## Gearbox specifications

Outer diameter	8mm	Bearing	Porous bearing	Rolling bearing
Material	Plastic	Axial endplay	≤0.3mm	≤0.2mm
Direction of rotation	cw & ccw	Radial loading on output shaft	≤0.8N	≤5N
Gear backlash	≤3° (Customisable)	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)	50	100	200	400
Instant torque of gearbox (gf.cm)	200	300	600	900
Gearbox efficiency	85	73	65	58
Length L1 (mm)	8.6	11.3	14	16.7

## Technical illustrations



## Motor specifications

Motors	DC brush motor, DC brushless 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	Length L1	Overall Length
	rpm	rpm	gf.cm	gf.cm			
ZWPD008008-4	2083	8333	50	200	3.6	8.6	23.1
ZWPD008008-5	1406	5625	50	200	5.3		
ZWPD008008-13	579	2315	100	300	13.0	11.3	25.8
ZWPD008008-19	391	1563	100	300	19.2		
ZWPD008008-28	264	1055	100	300	28.4		
ZWPD008008-47	161	643	200	600	46.7	14	28.5
ZWPD008008-69	109	434	200	600	69.1		
ZWPD008008-102	73	293	200	600	102.4		
ZWPD008008-152	49	198	200	600	151.7		
ZWPD008008-168	45	179	400	900	168.0	16.7	31.2
ZWPD008008-249	30	121	400	900	248.8		
ZWPD008008-369	20	81	400	900	368.6		
ZWPD008008-546	14	55	400	900	546.1		
ZWPD008008-809	9	37	400	900	809.1		

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