



ZWPD012012

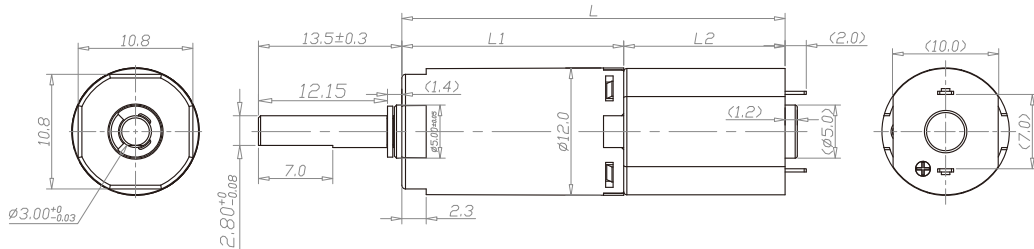
Gearbox specifications

Outer diameter	12mm	Bearing	Porous bearing	Rolling bearing
Material	Plastic	Axial endplay	≤0.1mm	≤0.1mm
Direction of rotation	cw & ccw	Radial loading on output shaft	≤5N	≤10N
Gear backlash	≤3° (Customisable)	Operating temperature range	-20~ +85°C	

Gearbox stages

	1	2	3	4
Reduction ratio	4 / 6	16 / 24 / 36	64 / 96 / 144 / 216	256 / 384 / 576 / 864 / 1296
Max rated torque of gearbox (gf.cm)	1300	1300	1300	1300
Instant torque of gearbox (gf.cm)	4000	4000	4000	4000
Gearbox efficiency	85	73	65	58
Length L1 (mm)	9.5	13.3	17.1	20.9

Technical illustrations



Motor specifications

Motors	DC brush motor, DC brushless motor, Stepper motor	Input speed	≤30000rpm
Voltage(Optional)	3-24V	Current	250mA max

Model	Rated Speed	Max Speed	Max Rated Torque	Max Instant Torque	Reduction ratio	Length L1	Overall Length
	rpm	rpm	gf.cm	gf.cm			
ZWPD012012-4	1875	7500	1300	4000	4	9.5	24.5
ZWPD012012-6	1250	5000	1300	4000	6		
ZWPD012012-16	469	1875	1300	4000	16	13.3	28.3
ZWPD012012-24	313	1250	1300	4000	24		
ZWPD012012-36	208	833	1300	4000	36		
ZWPD012012-64	117	469	1300	4000	64	17.1	32.1
ZWPD012012-96	78	313	1300	4000	96		
ZWPD012012-144	52	208	1300	4000	144		
ZWPD012012-216	35	139	1300	4000	216		
ZWPD012012-256	29	117	1300	4000	256	20.9	35.9
ZWPD012012-384	20	78	1300	4000	384		
ZWPD012012-576	13	52	1300	4000	576		
ZWPD012012-864	9	35	1300	4000	864		
ZWPD012012-1296	6	23	1300	4000	1296		

Please contact us for customized products: contact@zw-drive.com