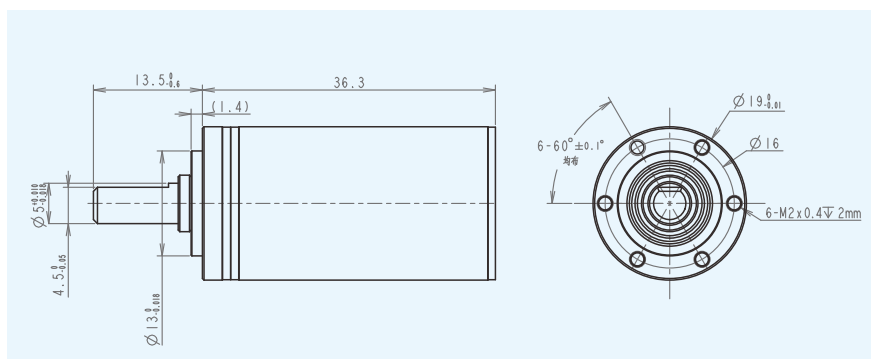


SMD019019

Φ19mm Planetary Gearbox



Technical data

Gearbox number		2	3	4
Continuous output torque (MAX)	Nm	0.9	1.6	2
Instant mobilization torque (MAX)	Nm	1.15	2	2.5
Reduction ratio	/	16, 21, 26, 28, 35	62, 83, 103, 111, 138, 150, 172, 186, 231	243, 326, 406, 439, 546, 590, 679, 734, 794, 913, 987, 1135, 1227, 1526
Outer diameter	mm	19	19	19
Gearbox length	mm	29.9	37	41
Maximum efficiency	%	80	70	60
Recommended temperature range	°C	-30~+100	-30~+100	-30~+100
Gearbox weight (MAX)	G	40.2	60.2	62.2
Maximum transmission power (continuous)	W	15	7	2
Maximum transmission power (Instantaneous)	W	19	9	3
Air load average empty return	°	0.7	0.7	0.7
The maximum axial load (dynamic)	N	40	40	40
The maximum radial load (4mm from flange)	N	100	120	120
Output Bearing		Rolling Pearl Bearing	Rolling Pearl Bearing	Rolling Pearl Bearing
Pearl bearing	mm	0~0.1	0~0.1	0~0.1

*Note: The above data does not include the motor, the overall sale of the gearbox and the motor, the specific parameters can be customized according to the customer's requirements.

Modular combination

Combined product	Model	Series		
		2	3	4
DC motor	MP1931Φ19mm Graphite brush	60.9	68	72
	1625 Graphite brush	54.9	62.0	66.0
Brushless motor	2248 Brushless motor	77.9	85.0	89.0
Encoder	CB-ST-16	Magnetic tape		

Application product data

Model	Rated voltage (V)	Air load data		Load data			Total length (mm)	Gearbox rated torque (NM)	Gearbox instantaneous torque(NM)	Reduction ratio	gearbox length L1(mm)
		Air -load speed (rpm)	No-load current (mA max)	Load speed (rpm)	Load current (A Max)	Torque (gf.cm)					
ZWSMD019019-138-X	12	50	300	45	1.2	10626	85	5.5	6.5	138	37