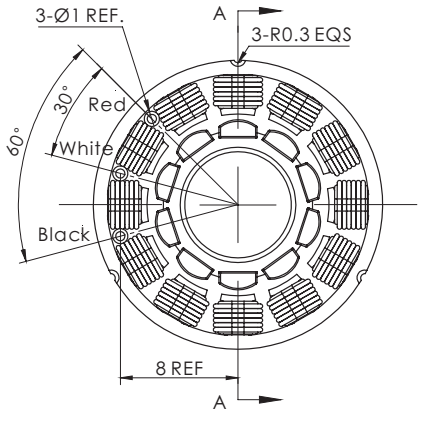
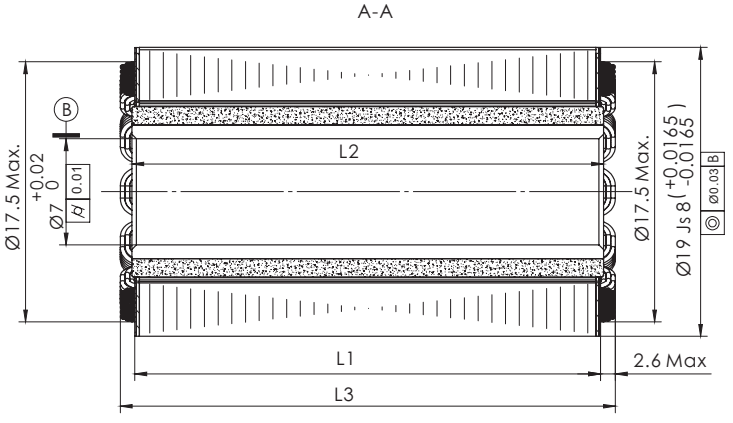
U19 series

Frameless Torque Motor

Main Parameters		U1910	U1919	U1934
Voltage(VDC)		24	24	24
Rated Output (W)		6.3	12.5	16.77
Rated torque (N.m)		0.01	0.02	0.04
Instant Max Torque (N.m)		0.027	0.05	0.11
Rated Current (A)		0.6	1.1	2.5
Instant Max Current (A)		1.2	2	7.5
Rated Speed (rpm)		6000	6000	4000
Max Speed (rpm)		10065	8000	6000
Torque constant (Nm/A)		0.0166	0.018	0.02
Rotor inertia(kg.cm^2)		0.002	0.006	0.01
Back EMF coefficient(V/KRPM)		1.15	2.3	2.4
Resistance (Ω)		5.5	4.5	4.7
Inductance (mH)		1.97	0.46	1.5
Pole-pairs number (2P)		5	5	5
Weight (kg)		0.021	0.021	0.042
Size(mm)	L1(Stator stack height)	7	15.7	30.7
	L2(Rotor height)	7	16	31
	L3(Overall height)	10	19.9	34.9

Specification & drawing





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