

SL SERIES STEPPING MOTOR

SL	XX	STH	XXX	-	XXX	X	M*	X
	Motor size: 39-NEMA16 42-NEMA17 57-NEMA23 86-NEMA34 110- NEMA42		Motor Length in mm		Phase current in tens of miliamperes	Number of windings	Step angle M: 0.9° No letter: 1.8°	Shaft sides A - one B - two

SPECIFICATIONS:

Step angle accuracy: $\pm 5\%$ (Full step, no load)

Resistance accuracy: $\pm 10\%$

Inductance accuracy: $\pm 20\%$

Case temperature: 80°C max (rated current, 2 phase on)

Operating ambient temperature: -20°C to 50°C

Insulation Resistance 100M Ω min at 500VDC

Dielectric strength 500VAC for 1 min

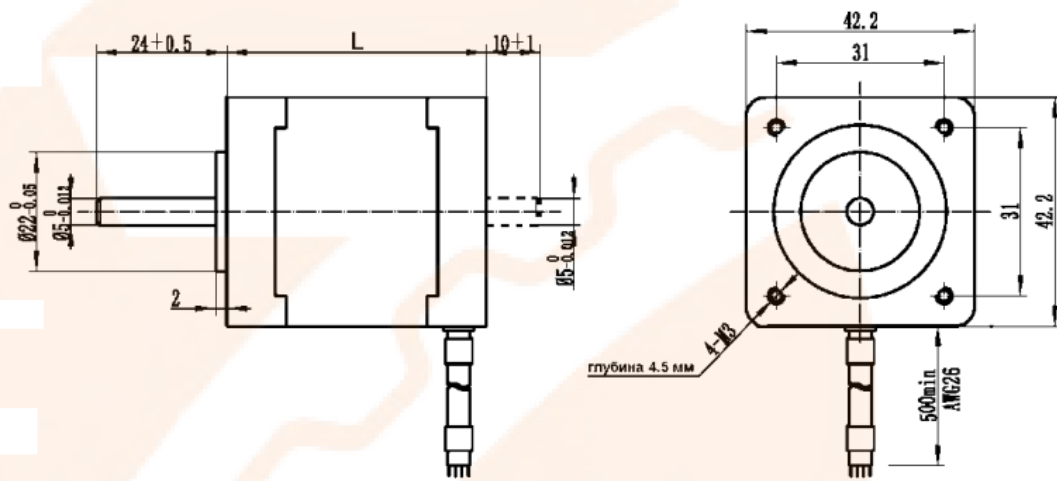
Shaft radial play in mm 0.02Max. (Load force 450G)

Shaft axial play in mm 0.08Max. (load of 450G)



Model	Shaft diameter (mm)	Body Length L (mm)	Phase current (A)	Voltage, (V)	Resistance phase (Ω)	Inductance phase(mH)	Nom. Holding moment, (Kg.cm)	Orientation torque (g.cm)	Rotor moment of inertia (g.cm ²)	Max. allowable radial load on shaft, (N) at a distance of 20mm from flange	Max. allowable axial load at shaft (N)	Motor weight(kg)
	1	2	3	4	5	6	7	8	9	10	11	12
SL42STH48-1684A	5	48	1.68	2.8	1.65	2.8	5.0	200	68	28	10	0.36
SL57STH56-2504A	8	56	2.5	24	1.1	2.8	9.0	400	300	75	15	0.7

NEMA 17:



NEMA 23:

