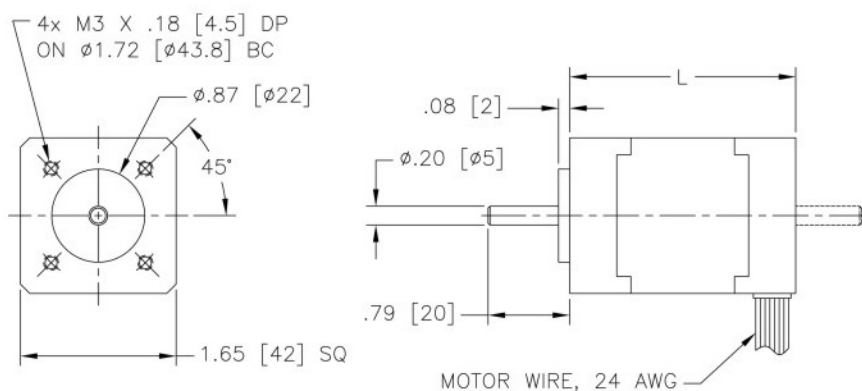


# ST042NB Stepping Motor

## General Features

- 42mm, 1.8Degree Enhanced Hybrid Steper Motor

## Outline Drawing and Dimensional Data



## Technical and Performance Data

Model	Phase Current (A)	Phase Resistance (Ohms)	Phase Inductance (mH)	Holding Torque (Ncm)	Detent Torque (Ncm)	No.of Wires	Rotor Inertia (g.cm <sup>2</sup> )	Length (mm)	Weight (g)
ST042NB001	0.4	24	3.6	17	2	4	20	24	150
ST042NB002	0.6	6.6	8.5	12	1.42	4	20	24	150
ST042NB111	0.6	12	15	25.5	1.96	4	34	34	200
ST042NB123	0.4	30	40	24.5	1.96	4	34	34	200
ST042NB136	0.28	44	38	16.7	1.96	6	34	34	200
ST042NB140	1	3.6	3.0	19.6	1.96	6	34	34	200
ST042NB302	1.2	3	3	26.5	2.16	6	54	40	240
ST042NB316	3.5	0.65	1.2	50	2.74	4	54	40	240
ST042NB335	1.7	1.5	3.2	44	2.2	4	54	40	240
ST042NB355	0.9	5	11.5	39.3	2.94	4	54	40	350
ST042NB519	1	4.6	4	33.3	2.74	6	68	48	340
ST042NB522	0.5	22	33	50	2.74	4	68	48	340
ST042NB523	1.5	3.15	6.15	49	2.74	4	68	48	340
ST042NB530	3	0.63	1.03	50	2.2	4	68	48	340
ST042NB531	2.5	1.25	1.8	48	2.8	4	68	48	340
ST042NB603	0.86	4.94	11.45	70	3.5	4	82	60	480
ST042NB606	1.2	12	35	75	6	4	82	60	480
ST042NB607	1.2	6	15.6	80	3.5	4	82	60	480