

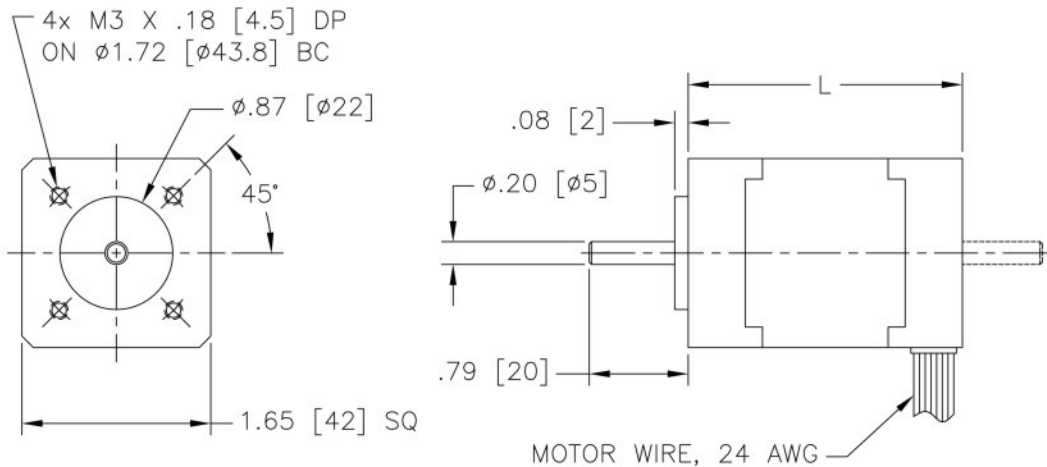
# ST042SB Stepping Motor

## General Features

- 42mm, 0.9Degree Enhanced Hybrid Stepper 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)
ST042SB001	1	8.7	16.5	14.5	1.5	4	20	22	150
ST042SB004	1	9.2	21	16.5	1.5	4	20	22	150
ST042SB104	1.2	2.1	4.9	20.6	1.96	4	34	34	220
ST042SB105	0.5	20	35	18.6	2.16	4	34	34	220
ST042SB110	0.67	8.4	16	21.2	1.5	6	34	34	220
ST042SB301	1.2	3.0	4.0	29.4	2.45	6	54	40	280
ST042SB302	0.8	7.5	8.6	25.5	2.45	6	54	40	280
ST042SB303	0.4	30	36	25.5	2.45	6	54	40	280
ST042SB304	1.68	1.5	4.0	35.3	2.45	4	54	40	280
ST042SB501	1.2	3.3	4.5	31.4	2.74	6	68	48	350
ST042SB502	0.8	7.5	6.3	31.4	2.74	6	68	48	350
ST042SB503	0.4	30	31	31.4	2.74	6	68	48	350
ST042SB504	1.68	1.54	3.5	41.2	2.74	4	68	48	350
ST042SB509	1	5	8	49	2.74	4	68	48	350