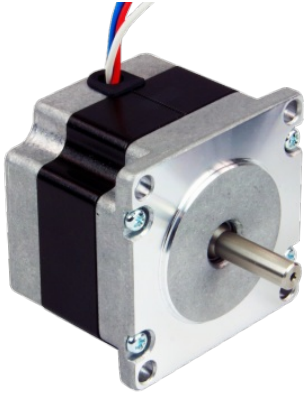


0.9 Degree Step Motors

NEMA Step Motors with 400 full steps per resolution



Product Features

- *0.9 degree step angle*
- *400 steps/rev step resolution*
- *Higher full step resolution than 1.8 degree motors*
- *High torque design*
- *Low cost*
- *Beneficial for use with full/half step drives*

Series Details

Series Details:

0.9 degree step motors are advantageous when a microstepping drive is not available. Because 0.9 degree motors have twice the step resolution (400 steps/rev) than 1.8 degree step motors (200 steps/rev), they run inherently smoother when driven with full or half step drives, like the [2035 step motor drive](#).

Microstepping drives, like Applied Motion's ST, STR and STAC drives, nullify the smoothness benefit of 0.9 degree step motors because these drives are capable of creating equal smoothness with 1.8 degree motors. However in some applications microstepping is not available, such as when a very basic full or half step drive is used, and for these applications a good way to gain smoothness is to use a 0.9 degree motor.

Products in the Series *0.9 Degree Step Motors*

Part Number	Frame Size	Length	Holding Torque	Series Current	Parallel Current	Rotor Inertia
5014-897	NEMA 14	1.10	9.91	NA	0.6	1.98E-04
HT17-221	NEMA 17	1.35	31.15	NA	0.5	5.38E-04
HT17-222	NEMA 17	0.79	12.75	NA	0.65	2.83E-04
HT23-559	NEMA 23	2.13	155.77	1.4	NA	3.68E-03
HT23-560	NEMA 23	1.61	67.97	1.5	NA	1.91E-03