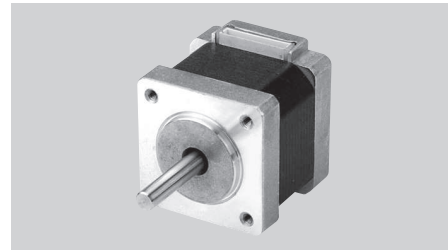


# 14HS SERIES 1.8°

## Key Features

- High Torque
- Small Size
- Smooth Movement



## General Specifications

- Bi-polar

Series & Length	Model Number	Holding Torque		Rated Current	Resistance per Phase	Inductance per Phase	Detent Torque		Rotor Inertia	
		mNm	oz-in	A	ohm	mH	mNm	oz-in	g.cm <sup>2</sup>	oz-in <sup>2</sup>
14HS3 36 mm (1.41 in.)	14HS3042	150	21.2	0.85	5.4	6.5	18	2.5	20	0.109
14HS5 55 mm (2.16 in.)	14HS5042	270	38.2	0.85	7.7	8.4	30	4.2	35	0.191

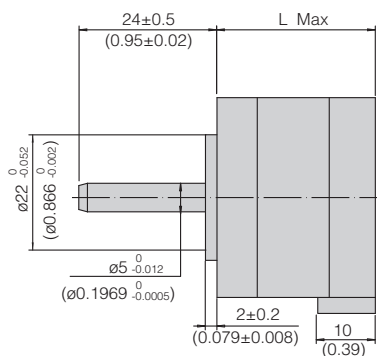
- Uni-polar

Series & Length	Model Number	Holding Torque		Rated Current	Resistance per Phase	Inductance per Phase	Detent Torque		Rotor Inertia	
		mNm	oz-in	A	ohm	mH	mNm	oz-in	g.cm <sup>2</sup>	oz-in <sup>2</sup>
14HS3 36 mm (1.41 in.)	14HS3062	110	15.6	1.2	2.7	1.6	18	2.5	20	0.109
14HS5 55 mm (2.16 in.)	14HS5062	200	28.3	1.2	3.9	2.1	30	4.2	35	0.191

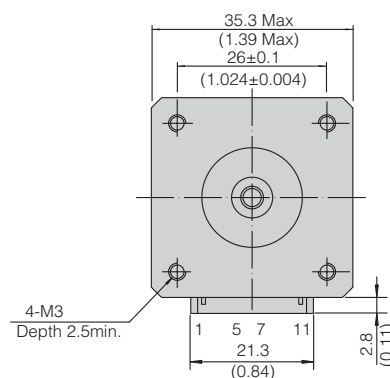
- Wiring Connection, Lead Wires, Schematic Diagrams & Stepping Sequence.....Page 62 - 64

## Mechanical Dimension

Series	L
	mm (in.)
14HS3	36 (1.41)
14HS5	55 (2.16)



Unit: mm(inch)



## Dynamic Torque Curves

- Contact MOONS' for dynamic torque curves

Why Stepping Motor

encapsulated 2 phase NEMA 14

encapsulated 3 phase NEMA 14 NEMA 17

new release 2 phase NEMA 8

new release 2 phase NEMA 14

new release 2 phase NEMA 16

2 phase NEMA 10 25.0 mm (1.00 inch)

2 phase NEMA 11 28.0 mm (1.10 inch)

2 phase NEMA 14 35.0 mm (1.38 inch)

2 phase NEMA 16 39.0 mm (1.53 inch)

2 phase NEMA 17 42.0 mm (1.65 inch)

2 phase NEMA 23 56.0 mm (2.22 inch)

2 phase NEMA 24 60.0 mm (2.36 inch)

2 phase NEMA 34 86.0 mm (3.39 inch)

3 phase NEMA 24 60.0 mm (2.36 inch)

3 phase NEMA 34 86.0 mm (3.39 inch)

how to select