

PM Stepper Linear Actuators

DINGS® provide three sizes - 20 mm, 25 mm and 36 mm PM stepper linear actuators. For each size, there are three available form factors External, Non-Captive and Kaptive. We offer step travel between 0.00625 and 0.3333 mm/step, and these actuators can output a maximum linear force of 115N.



Part Number Construction

E 25 P A 1 4 AA 05 - X - 001
 ① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩

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| <p>① Linear Structure
E = External
N = Non-captive
K = Kaptive</p> <p>② Motor Size
20 mm
25 mm
36 mm</p> <p>③ PM Stepper Motor</p> <p>④ Mounting
A = Flange and wiring box
B = Flange only
C = Wiring box only
D = No flange or wiring box</p> | <p>⑤ Step Angle
1 = 7.5°
2 = 15°</p> <p>⑥ Wiring Number
4 = bi-polar (4 wiring)
6 = uni-polar (6 wiring)</p> <p>⑦ Lead Code</p> <p>⑧ Winding Code
05 = 5V
12 = 12V</p> <p>⑨ Screw Stroke / Length
Kaptive - stroke distance
Non-captive - total length of screw
External - screw extension length from the mounting flange</p> <p>⑩ Customization Sequence Number</p> |
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Example

Naming code	E25PA14AA05-X-001
Description	25 mm size External type with mounting flange and wiring box 7.5°step angle 5V winding Screw AA Bi-polar Screw extension X mm Customization sequence is 001

Product Selection Guide

Motor Size	Screw Diameter(mm)	Lead (mm)	Travel Length		Max. Thrust Force (N)	Rated Efficiency (W)	Applied Screw
			7.5°	15°			
Φ20	Φ3.5	0.6096	0.0127	0.0254	23	3.4	AA
		1.2192	0.0254	0.0508			B
		2.4384	0.0508	0.1016			J
Φ25	Φ3.5	0.6096	0.0127	0.0254	65	3.9	AA
		1.2192	0.0254	0.0508			B
		2.4384	0.0508	0.1016			J
Φ36	Φ6.35	0.6096	0.0127	0.0254	115	5.6	AA
		1.2192	0.0254	0.0508			B
		2.4384	0.0508	0.1016			J