



Kämmer® Actuators Series 5

Electric Actuator



Experience In Motion

Kammer Actuators Series 5

Description

Kammer electric actuator models E2, E3, E4 and E5 are electric thrust units designed for precise positioning applications and low maintenance operation.

All component parts are contained within a robust housing and protected against contamination. The rotary motion of the motor is transmitted by the gearbox to the actuator stem. An anti-rotation flange ensures that the actuator stem does not rotate.

Two torque-dependent switches de-activate the motor then the pre-set actuating thrust is reached.

If the power fails the actuator can be operated by an engageable handwheel.

Electronic positioner

Kammer series 5 actuators are available with an integral positioning unit (optional). This advanced positioner design allows the direct connection of the electric actuator to an electronic controller.

Technical Data

Actuating thrust	132 - 5300 lbs.
Stroke	0.39 - 1.57 inch
Actuating time	See table on page 3
Actuating speed	See table on page 3
Electric motor	Single phase AC capacitor motor, reversible, short circuit proof, self-locking when currentless
Power supply	220 V, 50 Hz; 24 V, 50 Hz or 110 V, 60 Hz optional (other voltages on request)
Temperature range	-20 to +60 °C, (-5 to +140 °F)
Protection	IP 65 according to DIN 40050
Limit switching	Torque dependent switches
Feedback potentiometer	1000 ohms or others
Intermediate switches	2 microswitches, adjustable from 0 to 100% of travel
Heat resistor	Optional
Electrical connections	Wiring to marked terminals via Pg 9 on actuators E2 and E3, Pg 11 on actuators E4 and E5
Actuator housing	Aluminium with epoxy resin coating
Electronic positioner	
Signal range	0/4 - 20 mA optional split range and 0/2 - 10 V
Power supply	230 V, 50 Hz; 24 V, 50 Hz or 110 V, 60 Hz optional
Operating sensitivity	≤ 0.1%
Hysteresis	2%

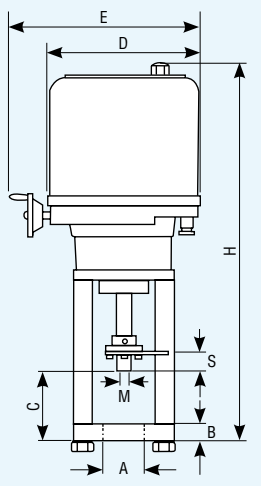
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Actuating Thrust (lbs.) Relative to Actuating Time

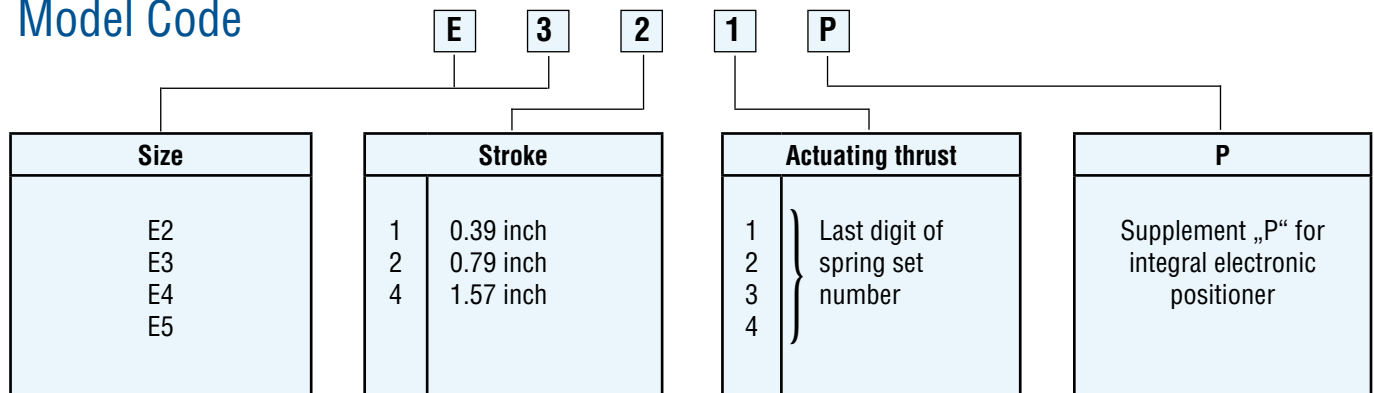
Actuator Model	No. of Yoke rods	Actuating Thrust (daN)	Actuating Thrust Code No.	Actuating Time (s)			Actuating Speed (in./min.)
				Stroke 0.39	Stroke 0.79	Stroke 1.57	
E2	2	132	1	62	-	-	0.38
E3	2	265	1	20	-	-	1.18
		440	2	33	-	-	0.71
	3	265	1	20	40	-	1.18
		440	2	33	66	-	0.71
		770	3	10 / 20	20 / 40	-	2.36 / 1.18
		1000	4	10 / 20	20 / 40	-	2.36 / 1.18
E4	3	1000	1	-	20 / 40	40 / 80	2.36 / 1.18
		1435	2	-			
		1765	3	-			
		2650	4	-			
E5	3	2200	1	-	20 / 40	40 / 80	2.36 / 1.18
		3310	2	-			
		4400	3	-			
		5300	4	-			

Dimensions (in.) and Weights (lb.)

Actuator model		E2	E3		E4	E5
	No. of yoke rods	2	2	3	3	3
S	stroke	0.39	0.39	0.39/0.79	0.79/1.57	0.79/1.57
A	ø standard	0.79/1.18	0.79	1.18	1.18/1.5/1.77	1.77
B		0.31/0.47	0.31	0.39	0.39/0.59	0.59
C		2.16/3.30	2.16	3.15	3.15	3.15
D	ø	5.12	5.90	5.90	7.50	8.46
E		-	7.50	7.50	10.00	11.00
H	standard	9.00/10.23	14.37	16.65	18.10	24.40
H	with positioner	10.62/11.81	14.96	16.75	18.75	25.00
M	internal thread	M4/M6	M6	M6/M10	M10	M16
	Weight	4.4	14.3	16.5	25.4	42.0



Model Code





Your Contact:



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