

Precision Control for Modern Automation

Featuring a fully integrated controller, drive, and motor, the Fife SmartDrive Actuator is a powerful, easy to install, all-in-one solution for automated edge and center guiding in converting, laminating, and printing applications.

The SmartDrive Actuator's speed, responsiveness, and high accuracy continuously corrects material position error without ever slowing down. The direct-drive, gearless design* smoothly maintains maximum thrust and speed throughout the entire stroke. And regardless of mounting orientation, the integrated servo center and zero-drift, absolute position encoder ensures the SmartDrive Actuator never needs to be recalibrated.

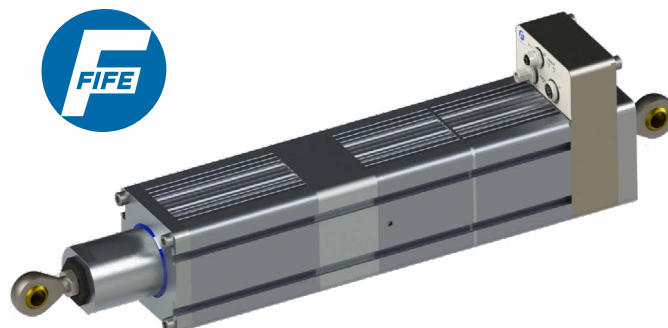


All Fife DSE-series digital sensors are supported for the ultimate combination of accuracy and simplicity in a closed-loop guiding system. Pair the SmartDrive Actuator with the Fife GuideLine sensor.

* 1200/2450/5000N models only

Key Features

- Easy installation
- Exceptionally responsive, fast and accurate
- Absolute encoder maintains precision position after power cycle
- Supports all Fife DSE series digital sensors and DST-1
- Simple setup and monitoring via touchscreen operator interface
- Maintenance-free, brushless motor
- Dual-rail power supply enables safe E-Stop without losing communications



SPECIFICATIONS

Thrust	Speed	Positioning Accuracy
1200N	80 mm/s [3.15 in/s]	± 0.05 mm [0.002 in]
2450N	60 mm/s [2.36 in/s]	
5kN	30 mm/s [1.18 in/s]	± 0.10 mm [0.004 in]
7.5kN	22 mm/s [0.88 in/s]	
10kN	15 mm/s [0.59 in/s]	

Certifications

- cTUVus, CB, UKCA, CE, FCC

Stroke Length

- 50/100/125/150/200/250/300/400 mm

Error Correction Response

- 6 Hz

Mounting Types

- Clevis, Rod Eye, Trunnion
- KR Flange (only 1200N/2450N)

Connectivity / Communications

- Ethernet: Modbus TCP, Maxnet
- RS-485: (2) Fife DSE Sensors, (1) Operator Interface
- Ethernet/IP, PROFINET, and EtherCAT protocols supported via optional gateway

Power Supply

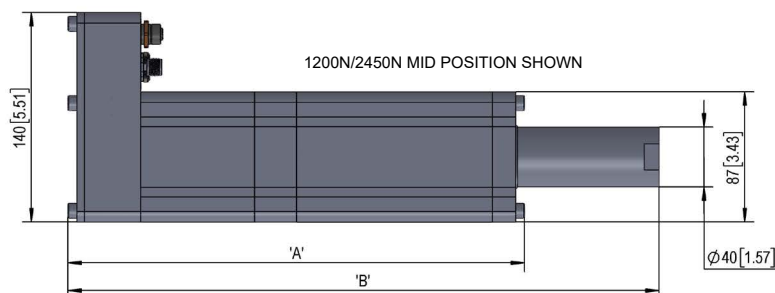
- 1200N: 24VDC, 7A, (168W max)
- 2450N: 24VDC, 12A (288W max)
- 5kN, 7.5kN, 10kN: 24VDC, 13A (312W max)

Environmental

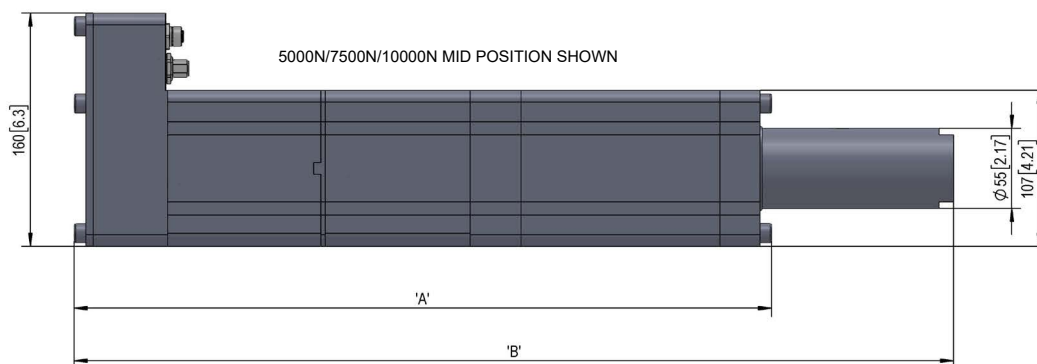
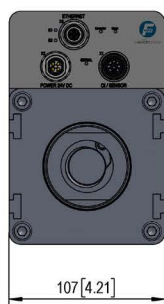
- 0° C (32° F) - 60° C (140° F) operating temperature
- IP54-rated protection

DIMENSIONS

Thrust	Length	Total Stroke Length mm [inches]							
		50 [1.97]	100 [3.94]	125 [4.92]	150 [5.91]	200 [7.87]	250 [9.84]	300 [11.81]	400 [15.75]
1200N	(A) Body	255.6 [10.02]	305.6 [11.98]	330.6 [12.96]	355.6 [13.95]	405.6 [15.91]	455.6 [17.87]	505.6 [19.83]	605.6 [23.75]
	(B) Mid-Stroke	320.5 [12.57]	395.5 [15.51]	433.0 [16.98]	470.5 [18.45]	545.5 [21.39]	620.5 [24.33]	695.5 [27.27]	845.5 [33.16]
2450N	(A) Body	284.6 [11.16]	334.6 [13.12]	359.6 [14.10]	384.6 [15.08]	434.6 [17.04]	484.6 [19.00]	534.6 [20.96]	634.6 [24.89]
	(B) Mid-Stroke	349.5 [13.71]	424.5 [16.65]	462.0 [18.12]	499.5 [19.59]	574.5 [22.53]	649.5 [25.47]	724.5 [28.41]	874.5 [34.29]
5kN	(A) Body	429.0 [16.82]	479.0 [18.78]	504.0 [19.76]	529.0 [20.75]	579.0 [22.71]	629.0 [24.67]	679.0 [26.63]	779.0 [30.55]
	(B) Mid-Stroke	529.5 [20.76]	604.5 [23.71]	642.0 [25.18]	679.5 [26.65]	754.5 [29.59]	829.5 [32.53]	904.5 [35.47]	1054.5 [41.35]
7.5kN & 10kN	(A) Body	447.5 [17.55]	497.5 [19.51]	522.5 [20.49]	547.5 [21.47]	597.5 [23.43]	647.5 [25.39]	697.5 [27.35]	797.5 [31.27]
	(B) Mid-Stroke	553.5 [21.71]	628.5 [24.65]	666 [26.12]	703.5 [27.59]	778.5 [30.53]	853.5 [33.47]	928.5 [36.41]	1078.5 [42.29]



LEARN MORE



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**RELATED PRODUCTS
ASK US ABOUT:**

Pair the SmartDrive Actuator with the Fife GuideLine sensor for an easy-to-deploy closed-loop guiding system.

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