



A Maxcess
International
Company

MicroSymat Offset Pivot Guide



The MicroSymat is a super-compact electromechanical guiding system designed specifically for narrow-web guiding applications. This single-roll offset pivot guide is available with two standard roller faces: 3.15" (80 mm), and 3.94" (100 mm), with diameters of 1.97" (50 mm), 2.95" (75 mm), 3.94" (100 mm). Maximum allowed tension is 22.5 lbf (100N).

Depending on your needs and sensor(s) selected, the MicroSymat delivers precise, reliable operation in edge, center, or line guide applications. A Servo-Center transducer provides automatic guide centering to speed the setup and threading process, resulting in minimum downtime and reduced waste.

SPECS

General Specifications

Part Number:
MicroSymat Offset Pivot Guide

Guide Span:
Minimum – 1.97" (50 mm)
Maximum – 3.94" (100 mm)

Roller Face:
Minimum – 3.15" (80 mm)
Maximum – 3.94" (100 mm)

Roller Diameter:
Minimum – 1.97" (50 mm)
Maximum – 3.94" (100 mm)

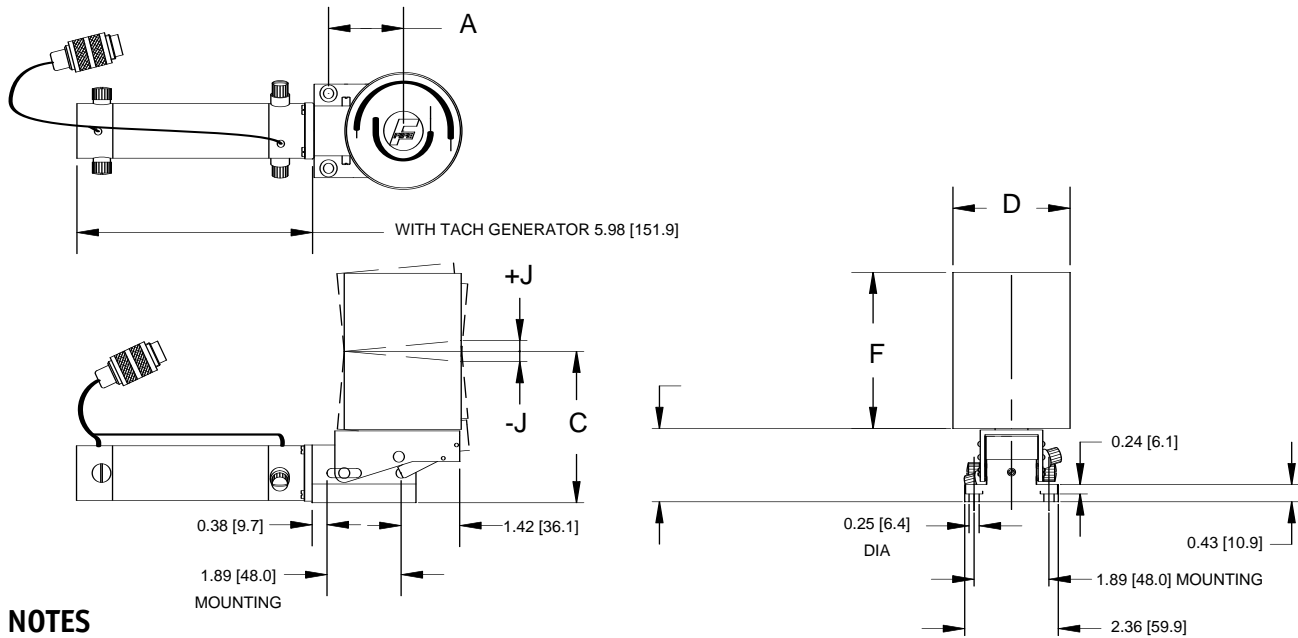
Maximum Correction:
±0.32" (8 mm)

Load Capacity:
Up to 22.5 lbf (100N)

KEY FEATURES

Key Features:

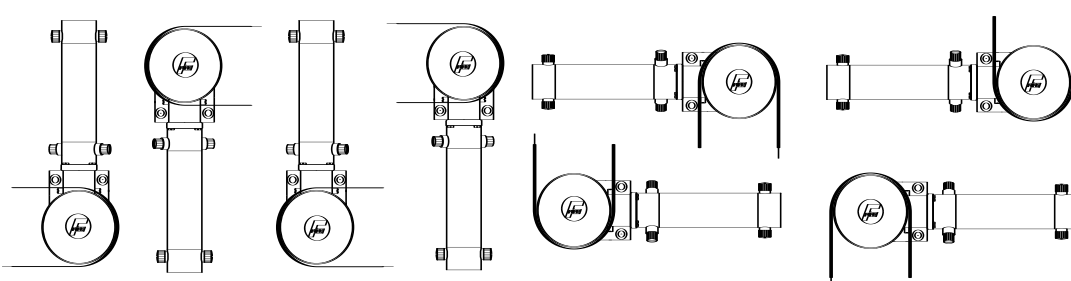
- Compact design for highly accurate guiding under tight space constraints.
- Fully proportional for fast, accurate guiding.
- Cantilevered mounting for quick and easy web insertion.
- Very high frequency response.
- Precise actuator and DC servomotor.
- Durable construction for low maintenance and long-lasting reliability.
- Servo-Center transducer speeds setup and threading.



NOTES

1. Tmax = 22.48 lbs (100 N)
2. Weight = 2.8 lbs (1.25 kg)
3. All dimensions in parenthesis are millimeters.

D	F	J	A	C	V corr (Correction Velocity)
1.97" (50 mm)	3.15" (80 mm)	0.16" (4 mm)	1.40" (35.5 mm)	3.43" (87 mm)	1.56 in/sec (39.2 mm/sec)
	3.94" (100 mm)	0.16" (4 mm)	1.40" (35.5 mm)	3.82" (97 mm)	1.36 in/sec (34.6 mm/sec)
2.95" (75 mm)	3.15" (80 mm)	0.24" (6 mm)	1.89" (48 mm)	3.43" (87 mm)	2.35 in/sec (59.6 mm/sec)
	3.94" (100 mm)	0.24" (6 mm)	1.89" (48 mm)	3.82" (97 mm)	2.04 in/sec (51.9 mm/sec)
3.94" (100 mm)	3.15" (80 mm)	0.32" (8 mm)	2.38" (60.5 mm)	3.43" (87 mm)	3.12 in/sec (79.4 mm/sec)
	3.94" (100 mm)	0.32" (8 mm)	2.38" (60.5 mm)	3.82" (97 mm)	2.72 in/sec (69.2 mm/sec)



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