

OFS™ Open Frame Table

Features

- Thin cross-section with clear aperture
- Travels from 2"x2" to 8"x8"
- Anti-backlash friction nuts



Small, Open Frame X-Y Tables

The OFS Series of open frame X-Y tables combines low profile two-axis positioning with a clear aperture. These tables employ ball ways and feature a three-piece construction, which "machines-in" orthogonality. Since both motors are attached to the center section, they both move with the lower axis. The 1.5" x 1.5" clear aperture allows these tables to be used in applications requiring transmitted light, or two-

sided access to the user's part. The use of side-mounted lead screws, with spring-loaded friction nuts, driven by 17 frame motors achieves a stage body thickness of only 1.5 inches. The motors include rear-shaft mounted knobs for manual control, and locking motor and limit/encoder connectors allow convenient attachment of cabling.

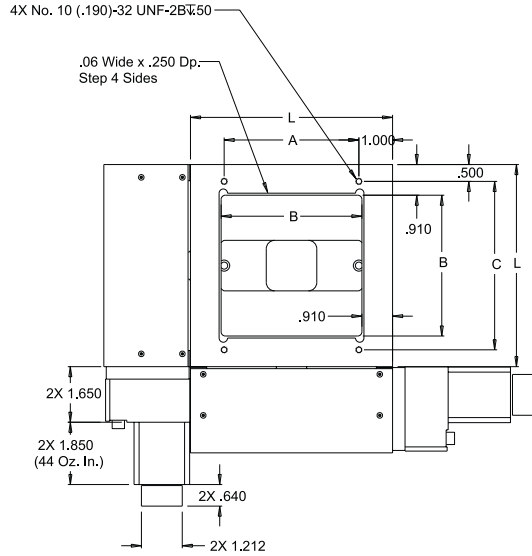
SPECIFICATIONS		OFS-4040	OFS-6060	OFS-8080	OFS-1010
Travel (inches)		2 x 2	4 x 4	6 x 6	8 x 8
Leadscrew Accuracy (µm) (per axis)	Precision	15	20	20	20
	Commercial	45	65	75	80
Bidirectional Repeatability (µm)	Precision	5			
	Commercial	10			
Flatness & Straightness (µm) (per axis)		5	10	15	20
Orthogonality (arc-seconds)	Precision	20			
	Commercial	40			
Pitch & Yaw (arc-seconds)		30	40	50	60
Load Capacity (kg)		2	5	7	10
Maximum Leadscrew Speed (rps)		15			
Moving Mass (kg)	Upper Axis	0.2	0.5	0.7	1.0
	Lower Axis	1.1	1.8	2.9	4.6
Total Mass (kg)		2.0	2.9	4.8	7.7

CONFIGURATIONS (Apply to all of the above models) ¹					PAGE		
Leadscrew	Lead (inch)	Precision Commercial	0.40	0.20	0.10	0.02	172
			0.50	0.40	0.20	0.10	
	Lead (mm)	Precision Commercial	2				172
			3	2	1.4		
Motor	Stepper (oz-in)	400 step/rev. 200 step/rev.	23	others available			194
			44	others available			
	Servo		brush	brushless		196	
OPTIONS					PAGE		
Encoder	Rotary (counts/rev.)		2000	4000	136		

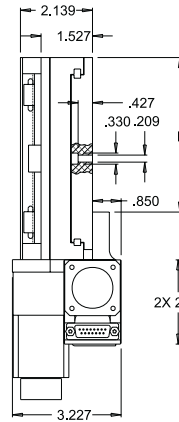
¹Standard configuration is highlighted.

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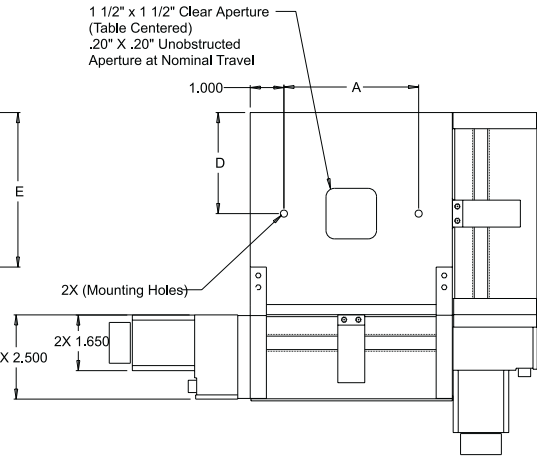
Top View



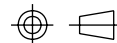
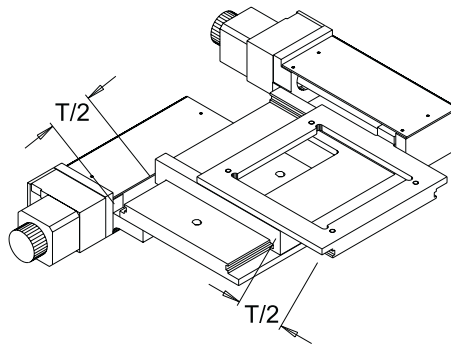
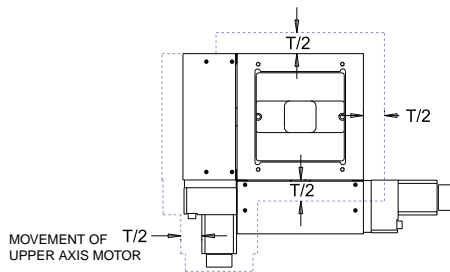
Side View



Bottom View



Moving Envelope



Third Angle Projection
Note: All Dimensions in Inches

MODEL	TRAVEL T	LENGTH L	A	B	C	D	E
OFS-4040-SM	2.00	4.00	2.000	2.180	3.000	2.000	2.57
OFS-6060-SM	4.00	6.00	4.000	4.180	5.000	3.000	4.57
OFS-8080-SM	6.00	8.00	6.000	6.180	7.000	4.000	6.57
OFS-1010-SM	8.00	10.00	8.000	8.180	9.000	5.000	8.57

Note: All dimensions are in inches.

