

Features

- Compact 2-5/8" wide x 2" high design
- Cost-effective ball ways
- Wide range of travels — from 2" to 10"
- High repeatability friction nut



Small, Ball-Way Tables

The RM Series of single-axis positioning tables provides a compact, low cost alternative to conventional full-sized units. Overall dimensions are 2" high x 2 5/8" wide, with a table length equal to 1" more than the table travel, making them ideal for disk drive certifiers, analyzers, spinstands and other

applications with demanding space constraints. Hall-effect limit sensors are built-in to each table. Miniature, latching, in-line connectors provide a convenient detachable coupling between the table and its control electronics. A motor, knob, and coupling are also included.

SPECIFICATIONS			RM-200	RM-400	RM-600	RM-800	RM-1000
Travel (inches)			2	4	6	8	10
Leadscrew Accuracy (µm)	Precision		15	20	20	20	25
	Commercial		45	65	75	80	100
Bidirectional Repeatability (µm)	Precision		3				
	Commercial		6				
Flatness & Straightness (µm)	Precision		5	10	15	20	25
	Commercial		20	40	60	80	100
Pitch & Yaw (arc-seconds)	Precision		50	50	50	60	70
Load Capacity (kg) ¹			10	20	30	40	50
Maximum Leadscrew Speed (rps)			15				
Mass (kg)	Moving		0.2	0.4	0.5	0.6	0.8
	Total		1.2	1.5	1.9	2.3	2.6

CONFIGURATIONS (Apply to all of the above models) ²								PAGE
Leadscrew	Lead (inch)	Precision	0.40	0.20	0.10	0.02		168
		Commercial	0.50	0.40	0.20	0.10	0.02	
	Lead (mm)	Precision	2					168
		Commercial	3	2	1.4			
Motor	Stepper (oz-in)	400 step/rev.	23		others available			190
		200 step/rev.	36	44	others available			
	Servo ³		brush	brushless			192	

OPTIONS								PAGE
Encoder	Rotary (counts/rev.) ³		2000	4000				132

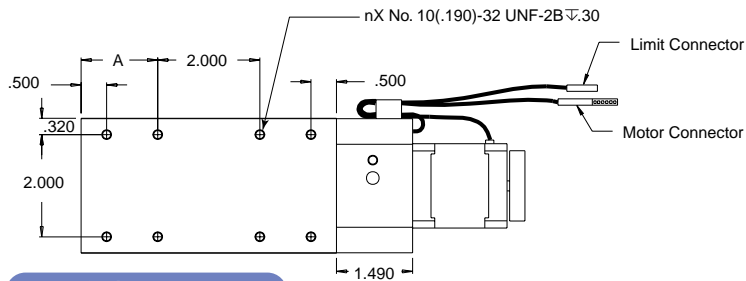
¹Please contact our Applications Engineers for loads exceeding 10kg.

²Standard configuration is highlighted.

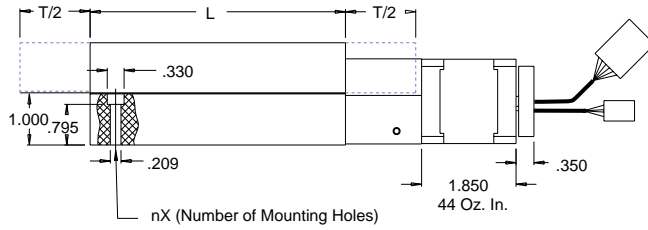
³A special motor mount is needed to accommodate a rotary encoder. Please contact our Applications Engineers for dimensional details.



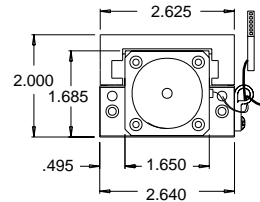
Top View



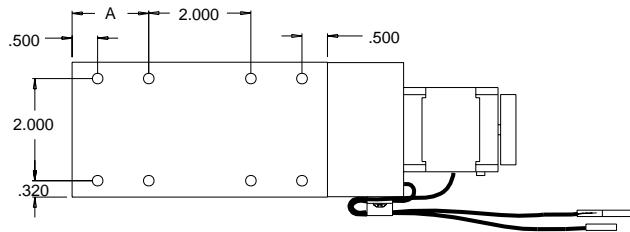
Side View



End View



Bottom View



Third Angle Projection
Note: All Dimensions in Inches

MODEL	TRAVEL T	LENGTH L	A
RM-200-SM	2.00	3.00	—
RM-400-SM	4.00	5.00	1.500
RM-600-SM	6.00	7.00	2.500
RM-800-SM	8.00	9.00	3.500
RM-1000-SM	10.00	11.00	4.500

Note: All dimensions are in inches.

