

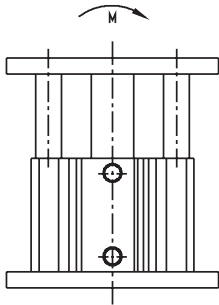
Extruded Flat Lift Tables



The Lift Table is an EF1-based, guided cylinder with four shafts for maximum rigidity. It is designed for lifting applications where other non-rotating cylinders cannot handle an overhung load and space is at a premium.

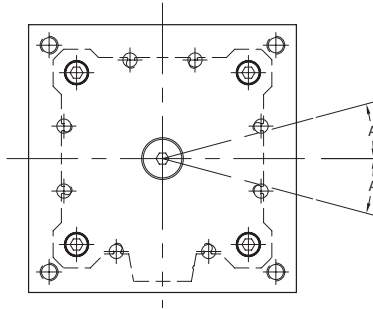
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- Four-shaft support withstands offset loads and moments.
 - Simple, efficient design provides economical alternative to other costly guided actuators.
 - Joins the EF family of products and shares all the same benefits--long service life, low friction operation, fast delivery.
 - Convenient wide tooling mounting surface.
 - Intended for vertical lifting applications and should not be mounted horizontally or with tooling plates facing down.

Extruded Flat Lift Table Technical Specifications



Maximum Moment
Due to Side or Overhung Load

Bore	Max Moment
0.08"	45 in-lb
0.12"	125 in-lb
4.92"	175 in-lb



Maximum Moment
Non-Rotational Accuracy

Bore	Accuracy (A)
1.97"	+/- .17°
3.15"	+/- .14°
4.92"	+/- .11°

Materials of Construction

Cylinder Body: PTFE-impregnated hard anodized aluminum

Rear Mounting Plate: Anodized Aluminum

Guide Shafts: Hard Chrome Plated Stainless Steel

Guide Shaft Bearings: Composite Plastic

Tooling Plate: Anodized Aluminum

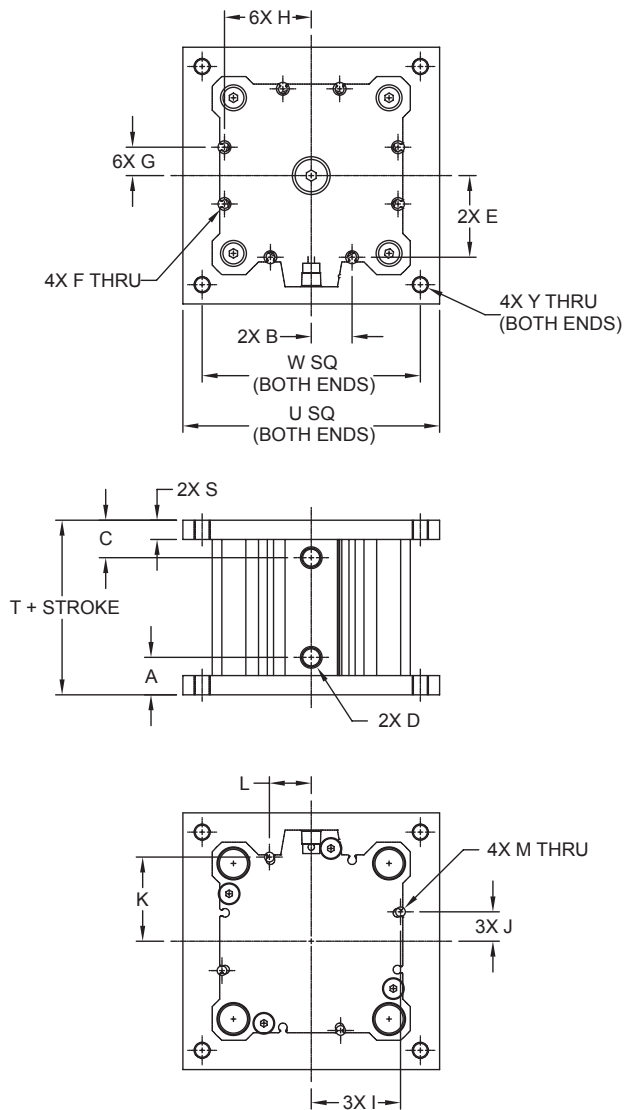
Piston Rod: Stainless Steel

Rod Guide: Aluminum Alloy

Seals: Nitrile (Fluoroelastomer optional)

Piston: Aluminum Alloy

Extruded Flat Lift Table Options and Dimensions



Overall Length, Dimension "T"

Bore	Without M Option	With M Option
1.97"	Strokes: 0-0.94"	Strokes: 0-0.83"
	1.86	2.42
	Strokes: 0.98-3.94"	Strokes: 0.87-3.94"
3.15"	0.88 + Stroke	1.59 + Stroke
	Strokes: 0-0.87"	Strokes: 0-0.71"
	2.14	2.30
4.92"	Strokes: 0.91-3.94"	Strokes: 0.75-3.94"
	1.28 + Stroke	1.59 + Stroke
	Strokes: 0-1.46"	Strokes: 0-1.18"
4.92"	3.03	3.25
	Strokes: 1.5-3.94"	Strokes: 1.22-3.94"
	1.58 + Stroke	2.17 + Stroke

Bore	A	B	C	D	E	F	G
1.97"	0.58	0.56	0.58	1/8 NPT	1.06	0.25	0.58
3.15"	0.73	0.80	0.73	1/8 NPT	1.59	0.25	0.55
4.92"	1.00	1.07	1.00	3/8 NPT	2.43	0.25	0.85

Bore	H	I	J	K	L	M	S
1.97"	1.05	1.09	0.60	1.11	0.58	0.25	0.25
3.15"	1.68	1.74	0.57	1.64	0.82	0.19	0.38
4.92"	2.52	2.57	0.87	2.48	1.09	0.19	0.50

Bore	T	U	W	Y
1.97"	See Table Above	3.00	2.50	#10-32 UNF
3.15"		5.00	4.25	5/16-24 UNF
4.92"		7.00	5.88	1/2-20 UNF

The Model Number for all Extruded Flat Lift Tables consists of alphanumeric clusters. These designate type, bore size, stroke length, and special options. Please refer to the charts below for an example of a standard Lift Table model. This is a 3.15" bore, 1.97" stroke cylinder with additional options.

