

ELIMINATOR SS™

Super Speed Ball Screw

Linear Actuators



- Velocity to 65 in/sec
- Thrusts to 2,000 Lbf
- Heavy Wall Steel Construction
- Highest (B10) Life Rating
- Piston with Rugged Anti-Rotation
- Adjustable Limit Switch Positions
- Sealed Chamber Design

ELIMINATOR SS™ Capabilities

Model Number	Thrust Load Rated (lbf)	Thrust Load Max. (lbf)	Linear Velocity Max. (in/s)	Travel Length ⁽¹⁾ Max. (in)	Frame Size (in)	Lead ⁽²⁾ (in)	Ball Screw Diameter (in)	Ball Screw Speed Max. (RPM)	Torque @ Ball Screw Max. (in-lb)	Dynamic Capacity per million revs (lbf)	Dynamic Capacity per million inches (lbf)	Motor/ ⁽³⁾ Gearhead Frame Supported Max. (in)	Unit Weight "U" Motor Mount (lb)	Unit Weight "L" Motor Mount (lb)
SS454-12	2,000	4,000	65	12	4.5	1.875	1.50	2,080	663	5,960	7,350	7	100	75
SS454-18	2,000	4,000	65	18	4.5	1.875	1.50	2,080	663	5,960	7,350	7	115	90
SS454-24	2,000	4,000	65	24	4.5	1.875	1.50	2,080	663	5,960	7,350	7	130	105
SS454-30	2,000	4,000	65	30	4.5	1.875	1.50	2,080	663	5,960	7,350	7	145	120
SS454-36	2,000	4,000	65	36	4.5	1.875	1.50	2,080	663	5,960	7,350	7	160	135
SS454-42	2,000	4,000	65	42	4.5	1.875	1.50	2,080	663	5,960	7,350	7	175	150
SS454-48	2,000	4,000	65	48	4.5	1.875	1.50	2,080	663	5,960	7,350	7	190	165

⁽¹⁾ Intermediate lengths are available; Longer lengths possible.

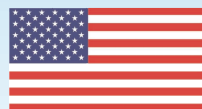
⁽²⁾ Standard lead accuracy is 0.005 in/ft

Standard backlash is 0.005 in maximum; Optional zero backlash is also available.

⁽³⁾ Motor adapter plates are available for larger motor frames.



Precision Mechanical
Products



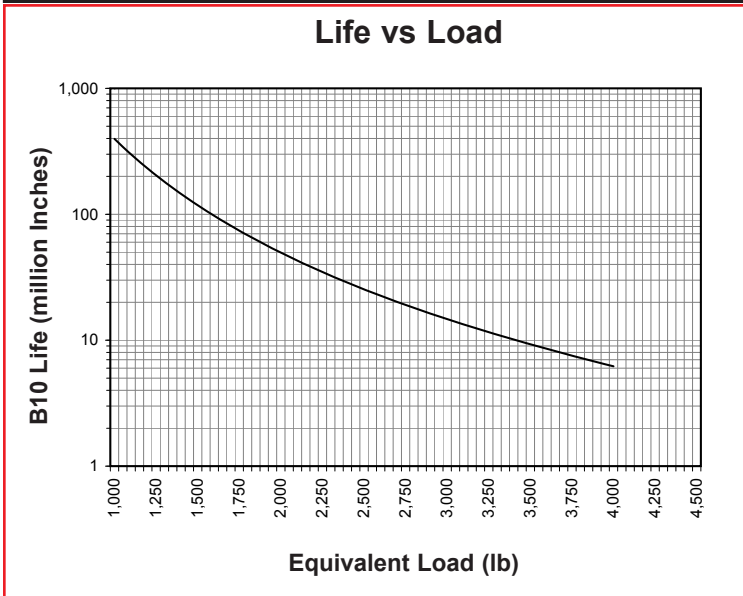
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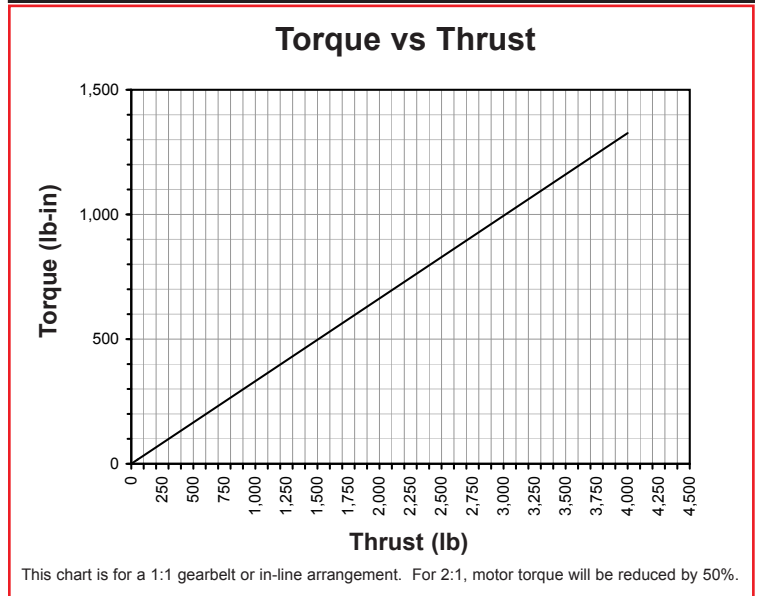
Precision Experience In Motion™

ELIMINATOR SS™

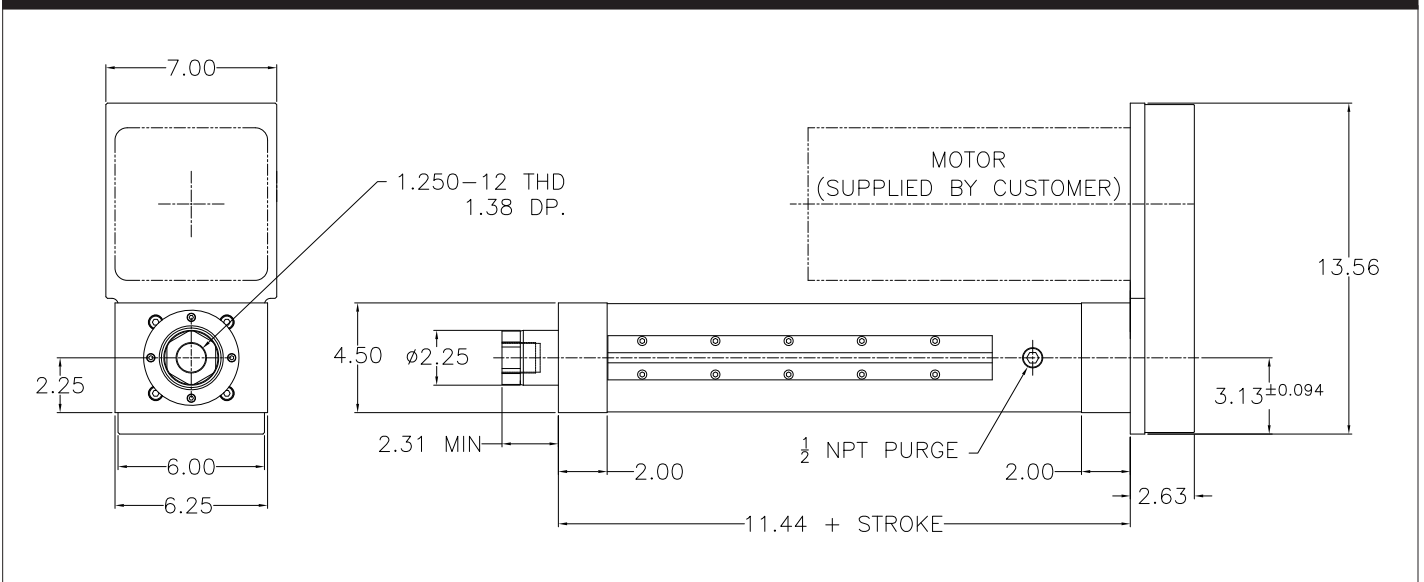
Graph: Life Vs. Load



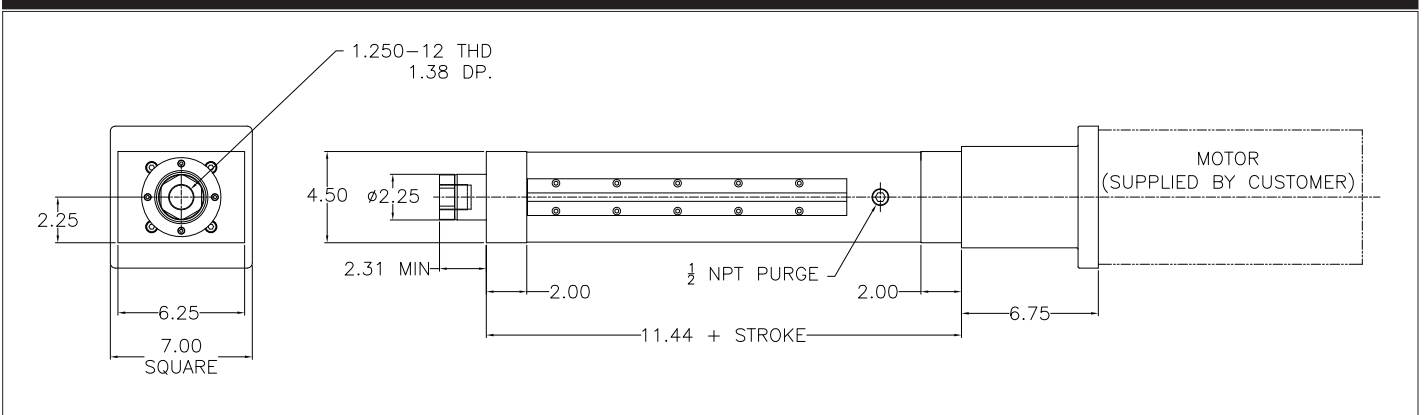
Graph 2: Torque Vs. Thrust at Ball Screw



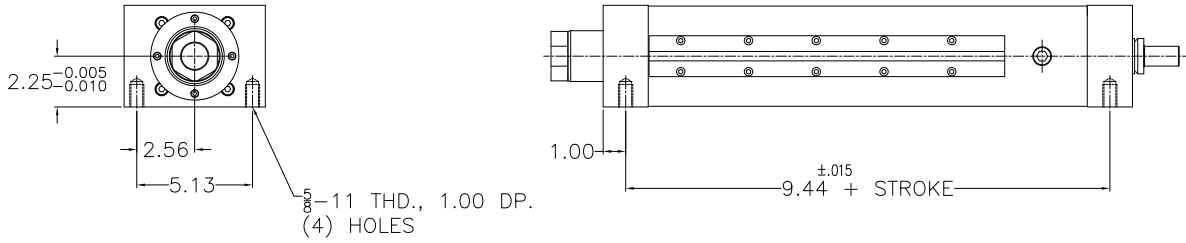
U-Parallel Offset Motor Dimensions



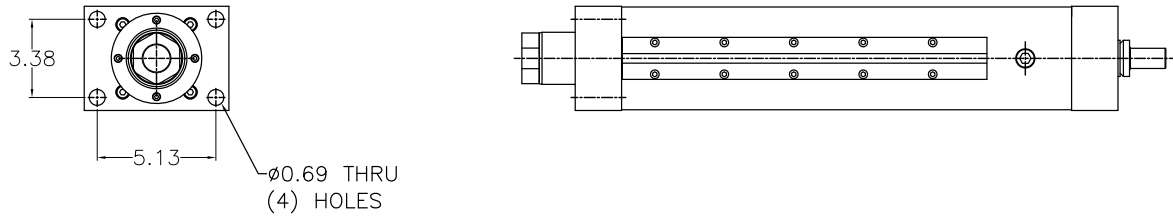
L-Inline Motor Dimensions



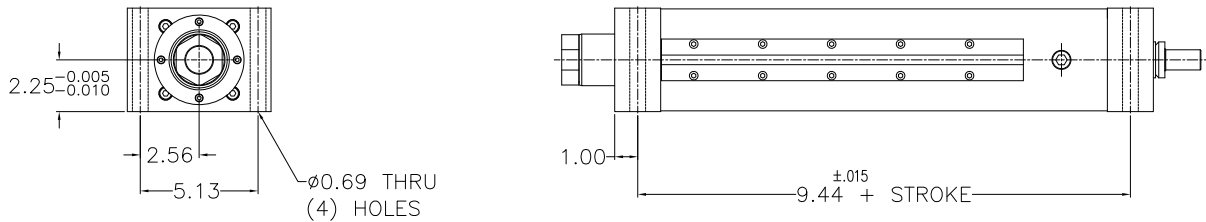
Bottom Mount Dimensions



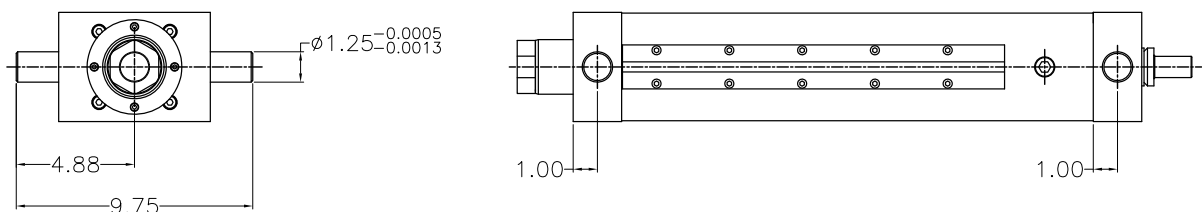
Front Flange Dimensions



Foot Mount Dimensions

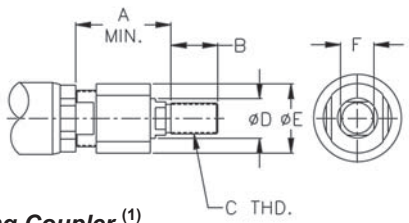
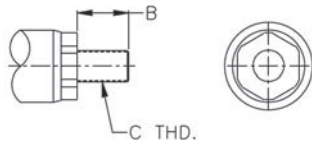
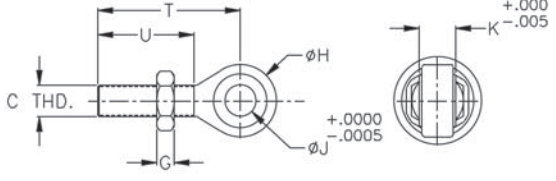
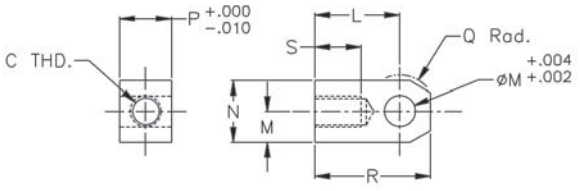


Trunnion Mount Dimensions



ELIMINATOR SS™

Rod End Options

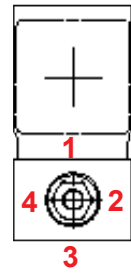
 <p>Self-Aligning Coupler ⁽¹⁾</p>	 <p>Male Thread</p>
 <p>Spherical Rod Eye</p>	 <p>Female Eye</p>

Rod End Options

Model	A	B	C	D	E	F	G	H	J	K	L	M	N	P	Q	R	S	T	U
SS454	2.94	1.63	1 1/4-12	1.38	2.50	1.25	0.72	2.75	1.00	1.38	3.44	1.38	2.75	2.00	1.56	4.81	2.00	4.13	2.13

(1) Zero backlash version also available

How To Order:

Base Number	Options	Special
S S 4 5 4 - [] - [] - [] - []	[] - [] - [] - [] - [] - [] - [] - []	[] [] [] []
<p>Standard Stroke Length (in):</p> <p>Unit Mounting Option: MB Bottom Mount FF Front Flange MF Foot Mount TF Front Trunnion TR Rear Trunnion</p> <p>End Effector/Rod End: E Female Eye F Female Thread A Self-Aligning Coupler M Male Thread S Spherical Rod Eye</p> <p>Configuration: L In-Line U Parallel Offset</p>	<p>Gearbelt Reduction: 00 - Direct Coupled 10 - 1:1 20 - 2:1</p> <p>Motor Position 1, 2, 3, 4 0 = Inline (refer to figure)</p> 	<p>Custom Length (in): 00.00</p> <p>N.C. Switch Qty: 0, 1, 2, 3, etc.</p> <p>N.O. Switch Qty: 0, 1, 2, 3, etc.</p> <p>Switch Type: A - Hall Sourcing PNP B - Hall Sinking NPN C - Reed</p>



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