

E-TAC ET™

Economical Thrust Ball Screw Linear Actuators



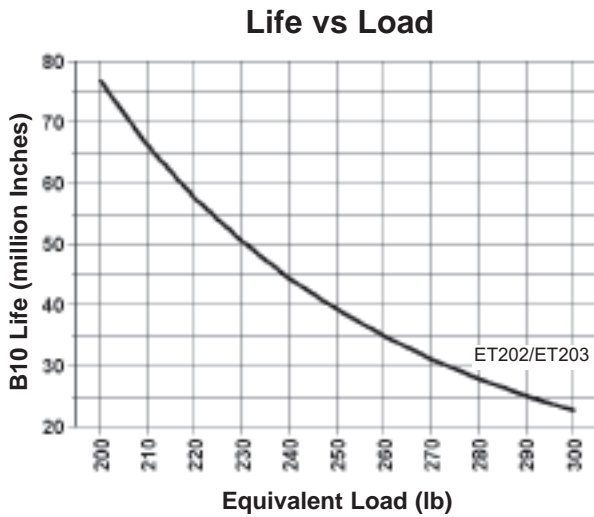
- **Force from 200 to 300 LBf**
- **Velocity to 33 in/sec**
- **Ratio 1:1 and 2:1**
- **Sealed from Contamination (IP54)**
- **Piston with Rugged Anti-Rotation**
- **Any Motor up to 3.5" Square**
- **Optional Adjustable Limit Switch Positions**

E-TAC ET™ Linear Actuator Capabilities:

Model Number	Thrust Load Rated (lb _f)	Linear Velocity Max. (in/sec)	Travel Length ⁽¹⁾ Max. (in)	Frame Size (in)	Lead ⁽²⁾ (in)	Ball Screw Diameter (in)	Ball Screw Max. (RPM)	Torque @ Ball Screw Max. (in-lb)	Dynamic Capacity per million revs (lb _f)	Dynamic Capacity per million inches (lb _f)	Motor Gearhead Frame Supported Max. (in)	Unit Weight "U" Motor Mount (lb)
ET202-06	200	33	6	2.25	0.50	0.50	3,960	18	1,070	850	3.5	9.0
ET202-12	200	20	12	2.25	0.50	0.50	2,400	18	1,070	850	3.5	12.0
ET203-06	300	13	6	2.25	0.20	0.63	3,900	14	1,070	850	3.5	9.0
ET203-12	300	10	12	2.25	0.20	0.63	3,000	14	1,070	850	3.5	12.0

⁽¹⁾ Intermediate lengths are available. ⁽²⁾ Lead accuracy is 0.003 in/ft; Backlash is 0.004 in max.

Graph: Life Vs. Load



EQUIVALENT LOAD is the average force over the working stroke, weighted proportionately to the distance traveled. For constant force loads, the equivalent load is the same as the typical or average load. Where forces vary due to gravity, angle of actuator, acceleration and deceleration, friction, and changing dynamic loads at different positions, it is best to determine the equivalent load in order to most accurately predict the B10 life of the actuator.

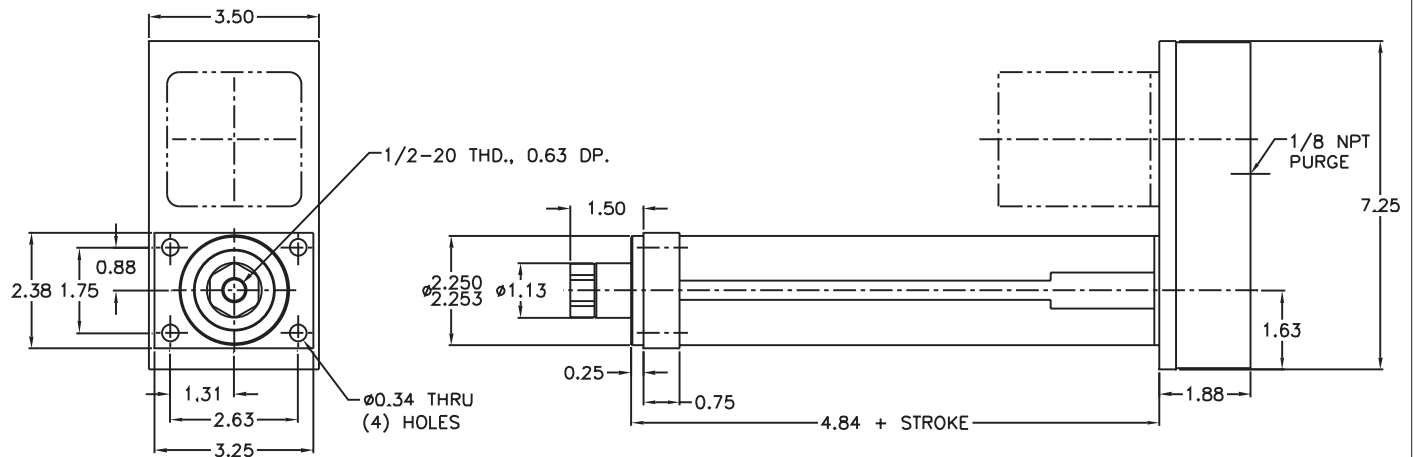
$$F = \sqrt[3]{\frac{L_1(F_1)^3 + L_2(F_2)^3 + L_3(F_3)^3 + L_4(F_4)^3 + \dots + L_n(F_n)^3}{L}}$$

Where: F_n is the calculated force for segment "n" with travel length of L_n and total travel L .

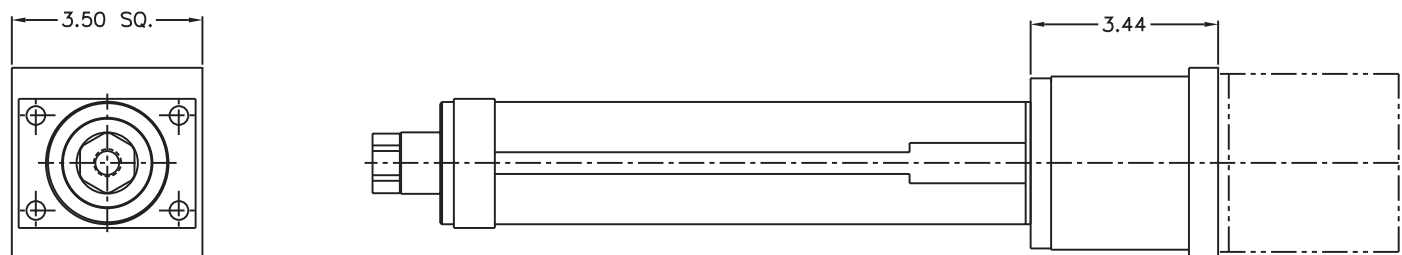
Find the intersection of this value and the appropriate curve. The value on the scale to the left reflects the B10 life of the actuator.

E-TAC ET™ General Dimensions

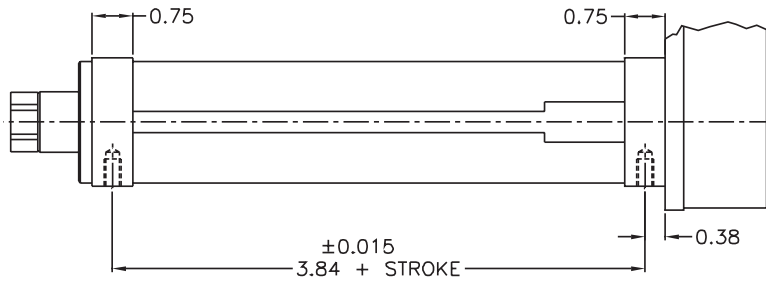
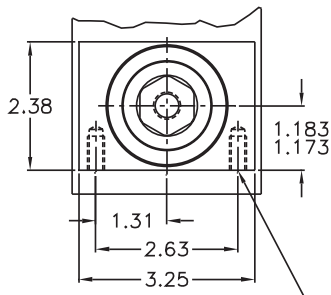
Standard Unit: U-Parallel Offset Motor with Front Flange Configuration



Option: L-Inline Motor Configuration

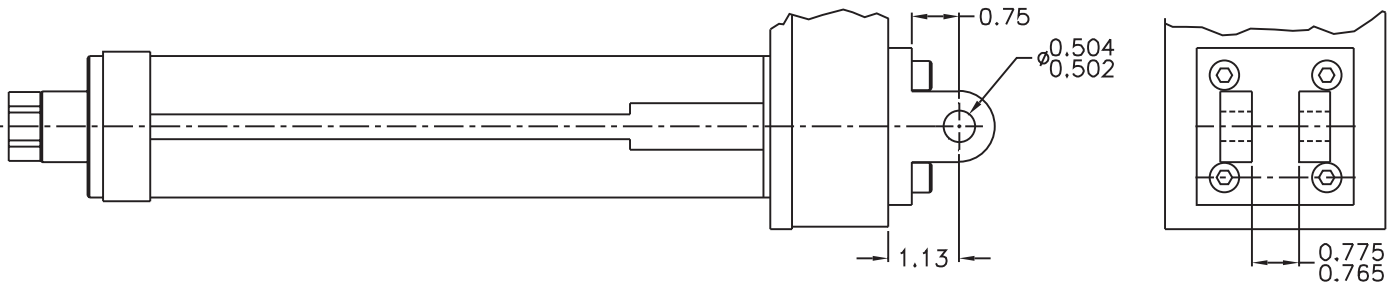


Option: Bottom Mount

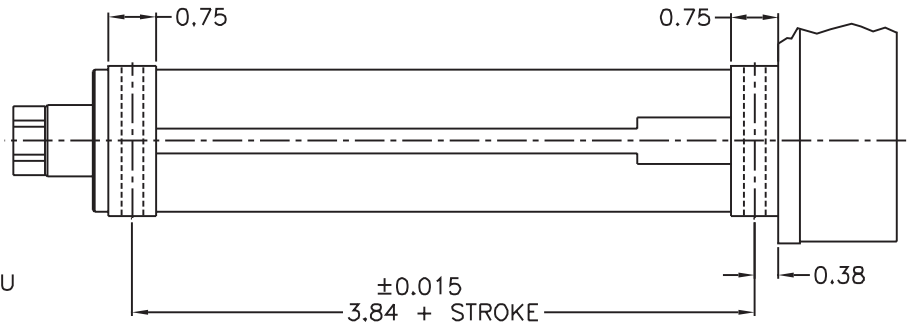
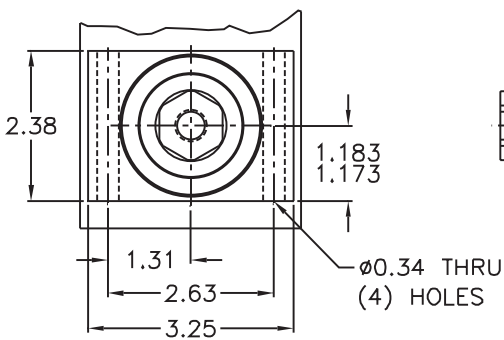


5/16-18 THD., 0.63 DP.
 (4) HOLES

Option: Clevis Mount

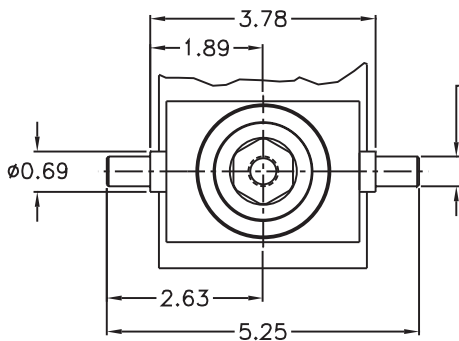


Option: Foot Mount



∅0.34 THRU
 (4) HOLES

Option: Trunnion Mount



∅0.5005
 ∅0.5000

