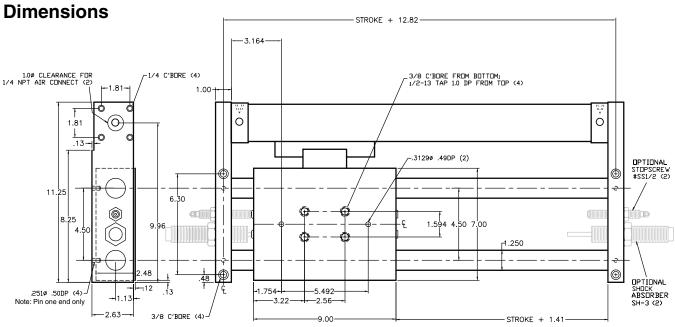
ES-4 | Table Slide



J.T.S.

- · External mounted rodless cylinder
- · Rodless cylinder for short overall length
- 1.250 dia. case hardened & ground shafts
- 4 linear ball bearings and seals for extended cycle life
- · Tapped & dowel pin holes in anodized body for ease of mounting
- · Tapped & dowel pin holes in anodized end plates for ease of mounting
- · Hardened adjustable stopscrews for accurate and repeatable positioning available
- · Hydraulic shock absorbers available
- · End of stroke sensing switches are available for stopscrews (see page 143-149)
- · Mulitple air connections

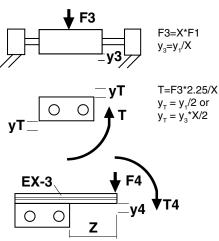


NOTE: Flow controls are recommended for all applications.

ES-4 Table Slide

Technical Data

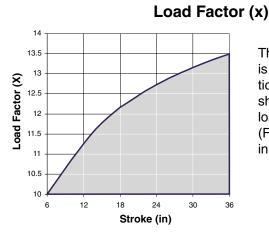
- Bore = 1.5"
- Force @ 80 psi = 140 lbs
- Operating medium = compressed air 60-100 psi
- Air connection = 1/4 NPT
- Repeat accuracy = +/-0.0005"
- Life expectancy = >100 million travel inches
- Force diagrams below depict the load and the resultant deflection caused by that force (or torque).



For T4 = T; If T4 = F4*(z+2.25) and T=F3*2.25/X then,

F4 = F3*2.25/(X*(z+2.25))

F4 is the force that will cause a deflection (y_{τ}) at the block's edge. To determine the deflection at the cantilever end use the following: $y_4 = F4^*z^{3/}(9.78E+07)$

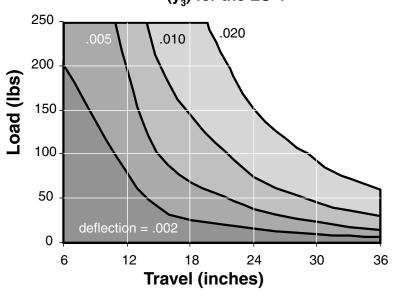


The load factor (X) is used in calculations as a relationship between a load on the ends (F1) versus a load in the center (F3).

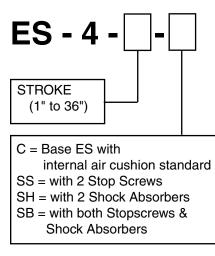
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F3 Load vs. Travel at set Deflection (y₂) for the ES-4



Ordering & Options



For end of stroke sensing, see page 143-149

