

TFS-2 Tuff Series Slides



Features

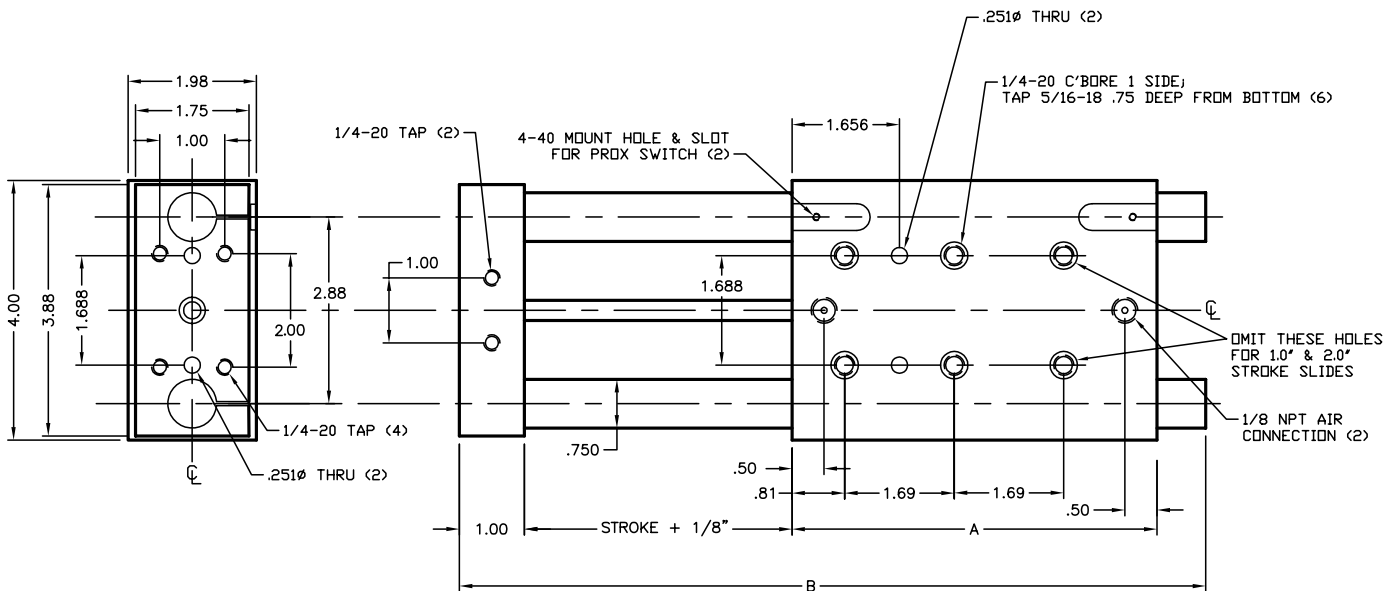
- Internal piston design, no cylinder
- Four non-lube, low-friction guide shaft bearings made of engineered polymers
- Extra large diameter ground stainless guide shafts for added rigidity
- Sensing switches can be bolted directly to body. No clamps or bands (see page 69)
- Available with stop collars and shock pads
- Also available with clean room hardware (see options)
- Hard-coat anodized body for long life and wear resistance

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- Counterbored, tapped, and dowel pin holes for ease of mounting
- End block with tapped and dowel holes to mount loads
- Among the highest load ratings in the industry with minimal deflection

Dimensions



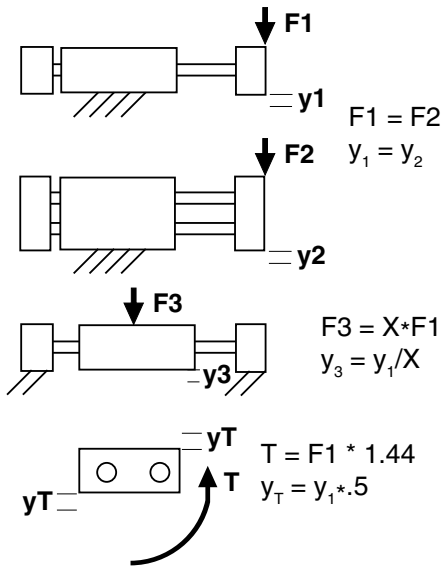
NOTE: Flow controls are recommended for all applications.

Type	Stroke	A	B	Load Factor (X)	Weight
TFS-2-10	1.0"	3.63	6.50	7.8	4.8
TFS-2-20	2.0"	3.63	7.50	9.3	4.8
TFS-2-30	3.0"	5.63	10.50	5.8	6.8
TFS-2-40	4.0"	5.63	11.50	6.7	6.8

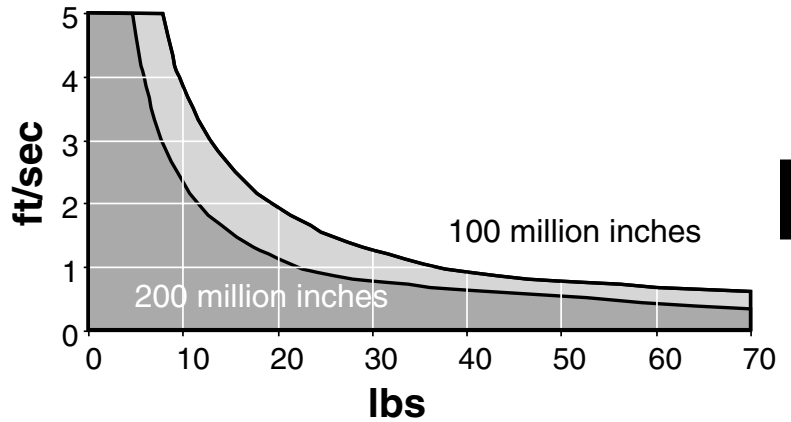
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Technical Data

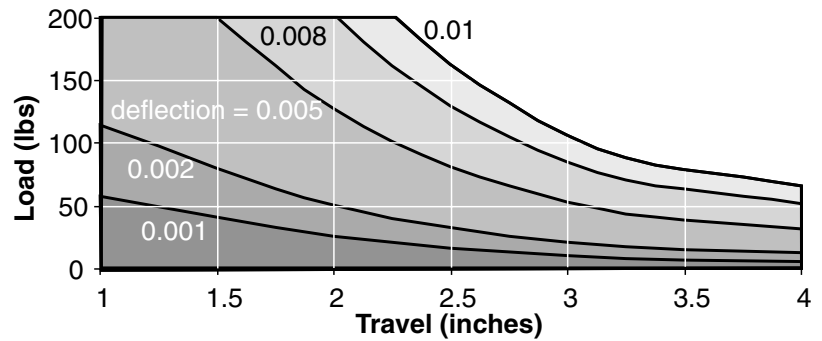
- Force @ 80 PSI = 71 lbs.
- 1.125" Dia. Bore
- .750 Dia. Guide Shaft
- Available strokes - 1", 2", 3", 4"
- Air Connection = 1/8 NPT
- Air Supply: 60-100 PSI (4-7 Bar)
- Life expectancy for bearing wear at moderate cycles = 100 million travel inches



Life Expectancy (inches of travel) vs. Dynamic Load (lbs vs velocity)



F1 Load vs. Travel at set Deflections (y1) for TFS-2



Ordering & Options

NOTE: clamp collars must be used for extend position sensing.

TFS - 2 - [] - [] - [] - []

STROKE

- 10 = 1"
- 20 = 2"
- 30 = 3"
- 40 = 4"

SC = Stop Collars

SCP = Stop with Shock Pads

CR = Clean Room Hardware

SN1 = One Sensor NPN

SP1 = One Sensor P&P

SN2 = Two Sensors NPN

SP2 = Two Sensors P&P

