

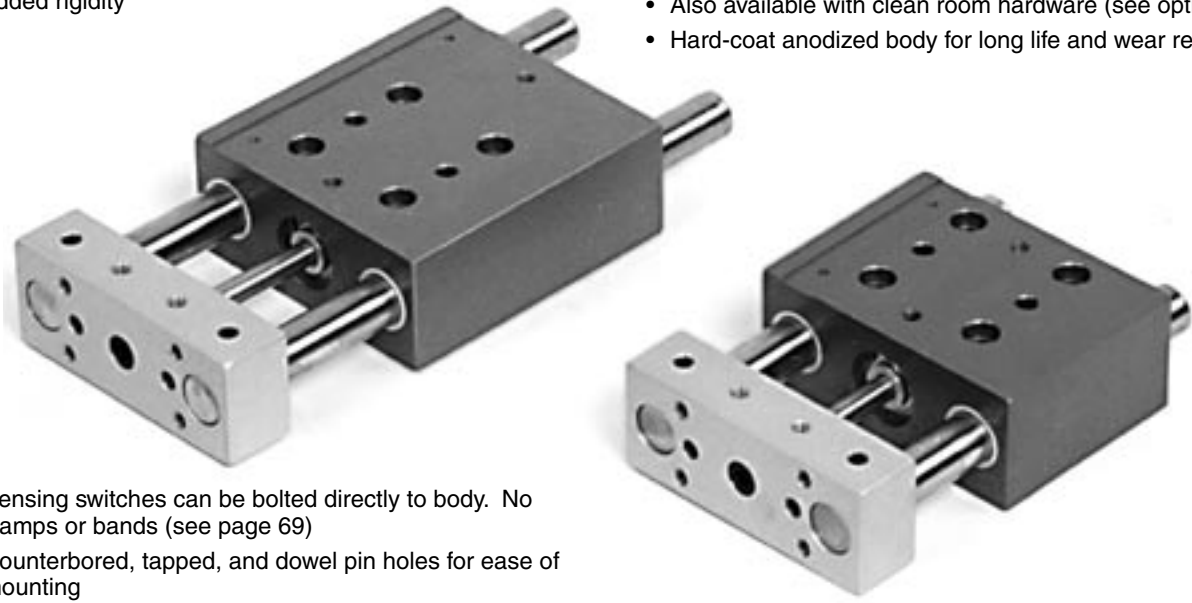
TFS-1 Tuff Series Slides



Features

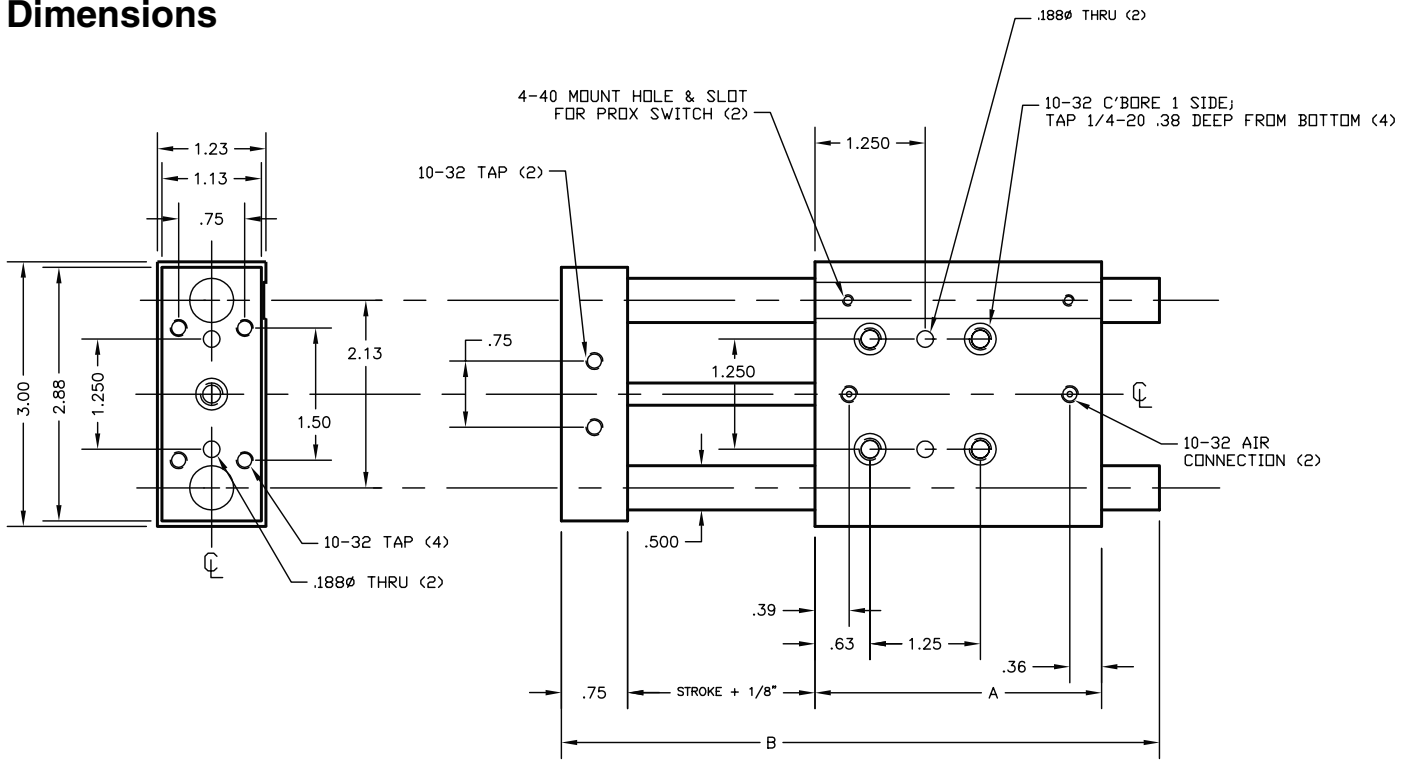
- Internal piston design, no cylinder
- Four non-lube, low-friction guide shaft bearings made of engineered polymers
- Extra large diameter ground stainless guide shafts for added rigidity
- End block with tapped and dowel holes to mount loads
- Among the highest load ratings in the industry with minimal deflection
- 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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- Sensing switches can be bolted directly to body. No clamps or bands (see page 69)
- Counterbored, tapped, and dowel pin holes for ease of mounting

Dimensions



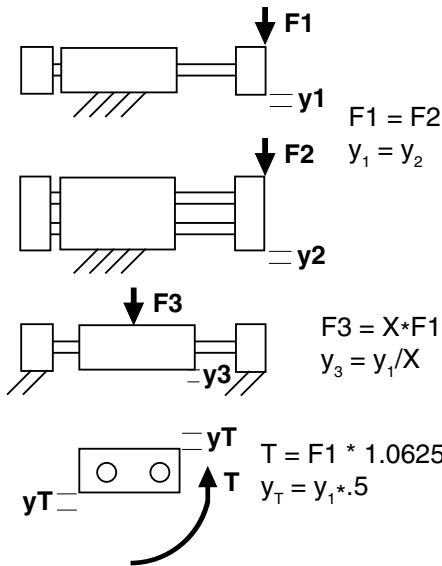
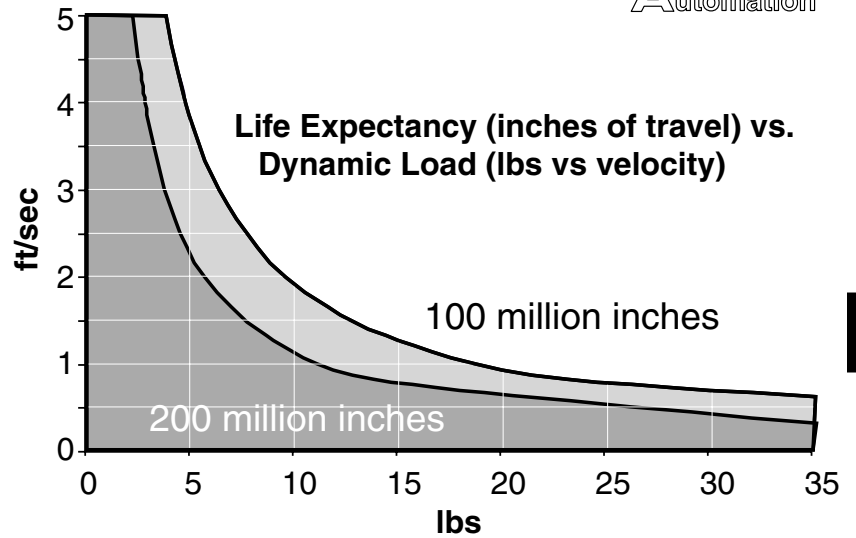
Type	Stroke	A	B	Load Factor (X)	Weight
TFS-1-05	0.5"	2.25"	4.28"	10.82	1.4
TFS-1-10	1.0"	2.25"	4.78"	11.80	1.4
TFS-1-15	1.5"	3.25"	6.28"	7.21	1.8
TFS-1-20	2.0"	3.25"	6.78"	8.01	1.8

NOTE: Flow controls are recommended for all applications.

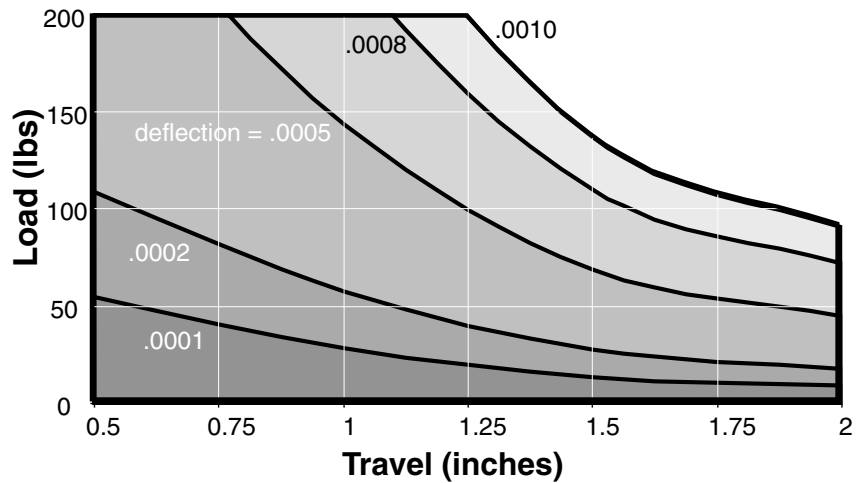
TFS-1 Tuff Series Slides

Technical Data

- Force @ 80 PSI = 32 lbs.
- .750" Dia. Bore
- .500 Dia. Guide Shaft
- Available strokes - 1/2", 1", 1-1/2", 2"
- Air Connection = 10-32
- Air Supply: 60-100 PSI (4-7 Bar)
- Life expectancy for bearing wear at moderate cycles = 100 million travel inches



F1 Load vs. Travel at set Deflections (y1) for TFS-1



Ordering & Options

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

TFS - 1 - - - -

STROKE
05 = 1/2"
10 = 1"
15 = 1 1/2"
20 = 2"

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

