

# TFS-0 Tuff Series Slides

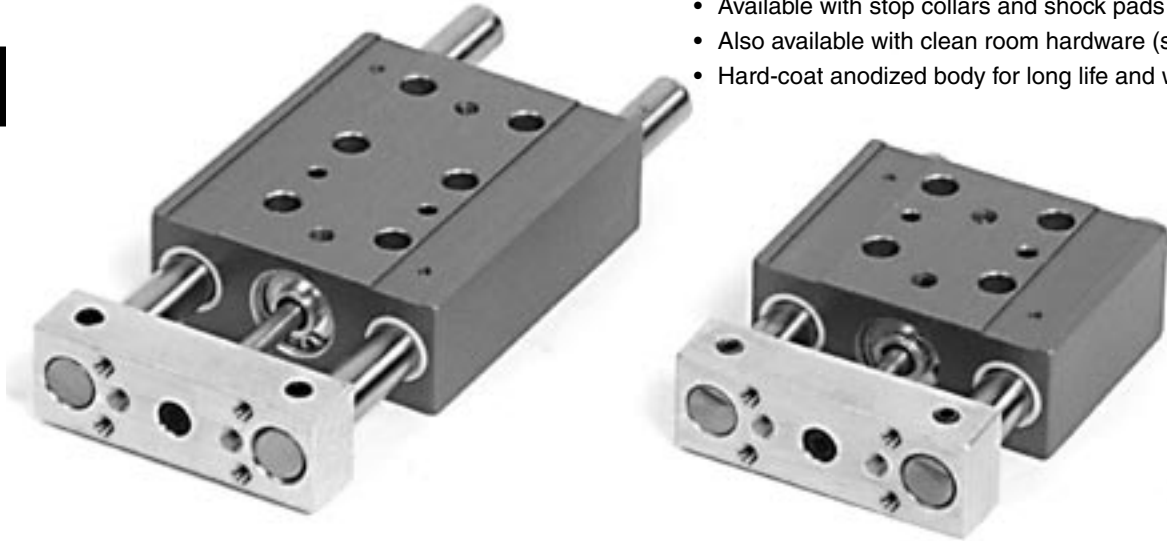


## Features

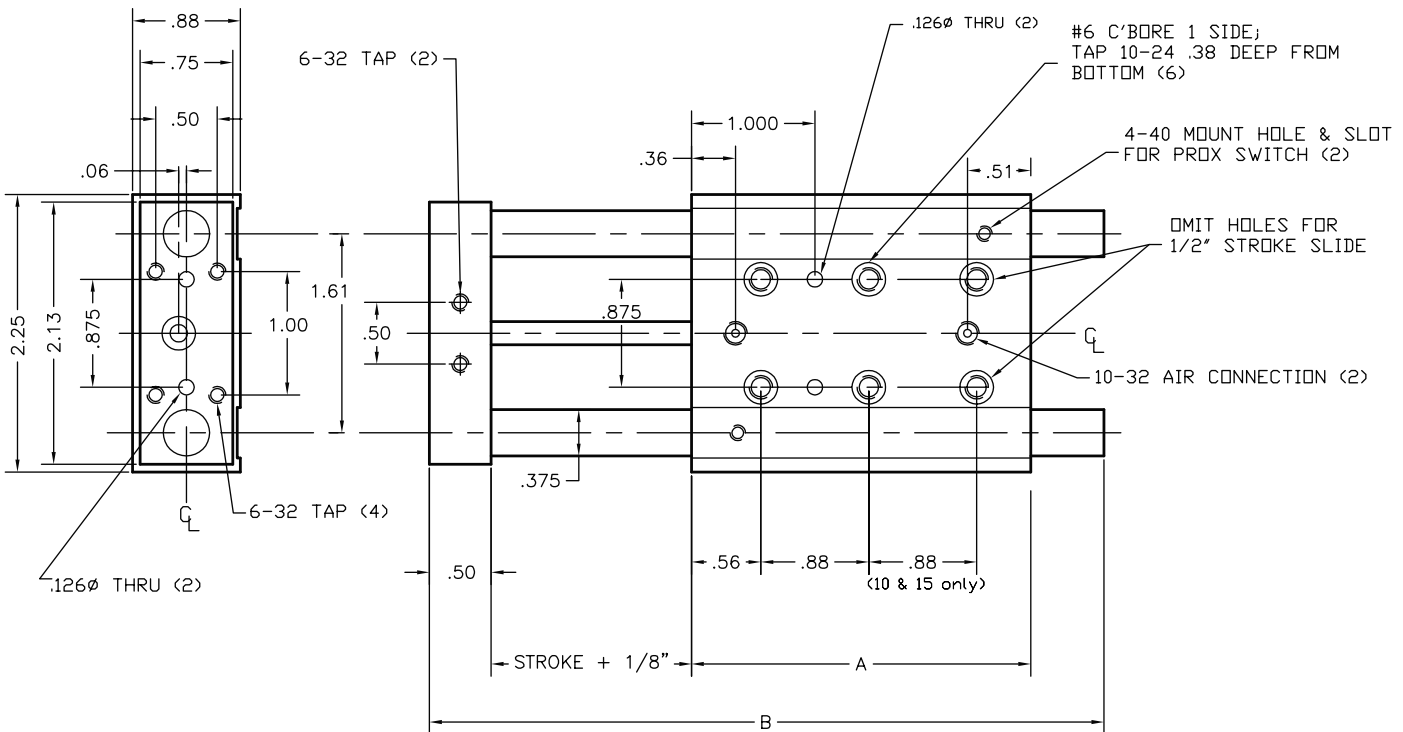
- Internal piston design, no cylinder
- Four non-lube, low-friction guide shaft bearings made of engineered polymers
- Extra large diameter ground stainless guide shafts for added rigidity

- Sensing switches can be bolted directly to body. No clamps or bands (see page 69)
- 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
- 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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## Dimensions

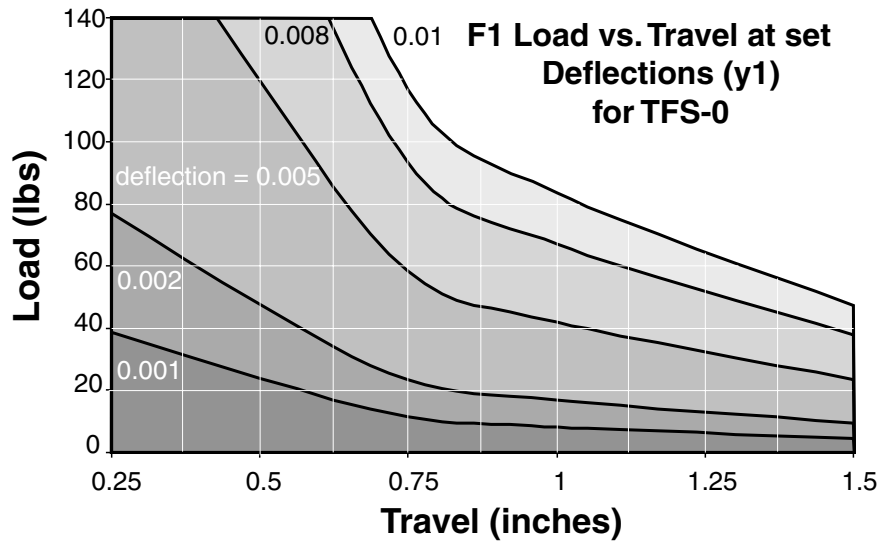
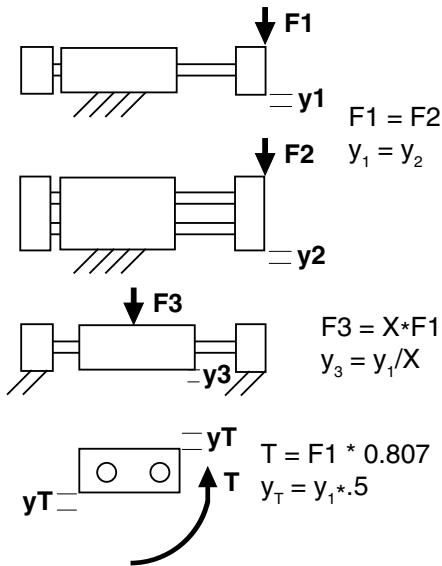
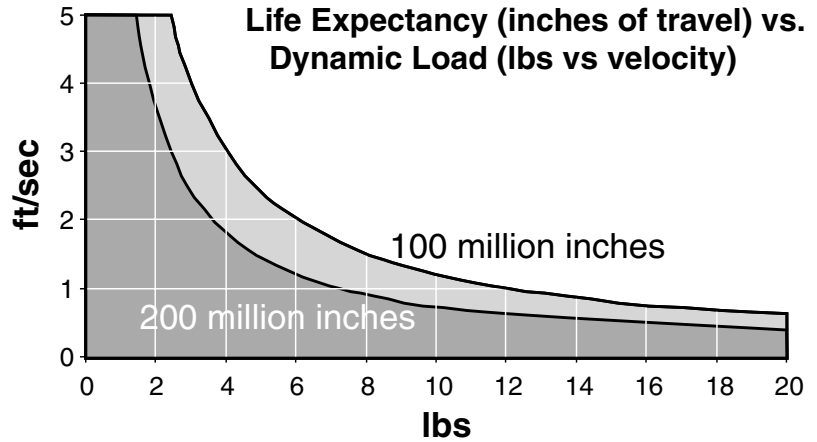


Type	Stroke	A	B	Load Factor (x)	Weight
TFS-0-05	0.5"	1.75"	3.48"	10.4	0.4
TFS-0-10	1.0"	2.75"	4.97"	5.6	0.8
TFS-0-15	1.5"	2.75"	5.47"	6.7	0.8

NOTE: Flow controls are recommended for all applications.

## Technical Data

- Force @ 80 PSI = 15 lbs.
- .50" Dia. Bore
- .375 Dia. Guide Shaft
- Available strokes - 1/2", 1", 1-1/2"
- Air Connection = 10-32
- Air Supply: 60-100 PSI (4-7 Bar)
- Life expectancy for bearing wear at moderate cycles = 100 million travel inches



## Ordering & Options

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

**TFS - 0 -**  -  -  -

<b>STROKE</b> 05 = 1/2" 10 = 1" 15 = 1 1/2"
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

