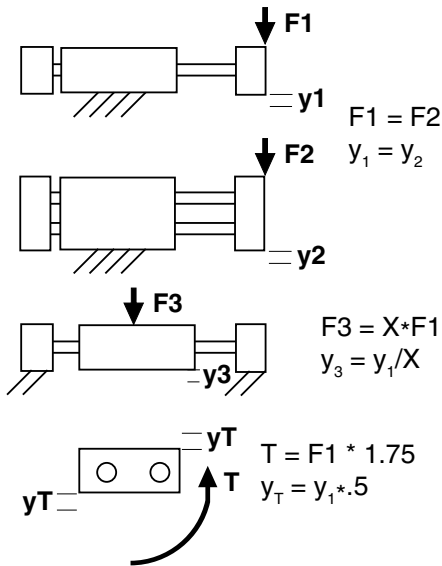


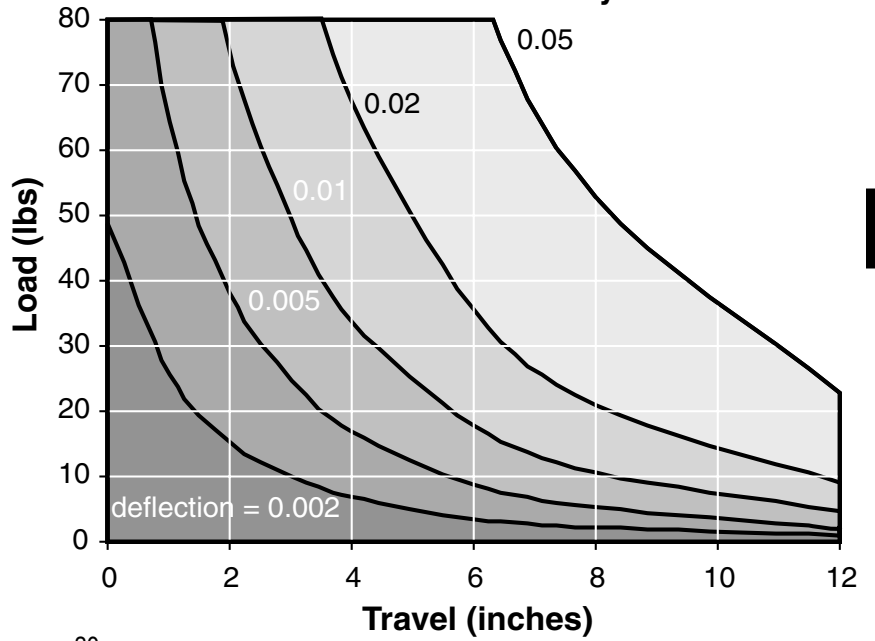


## Technical Data

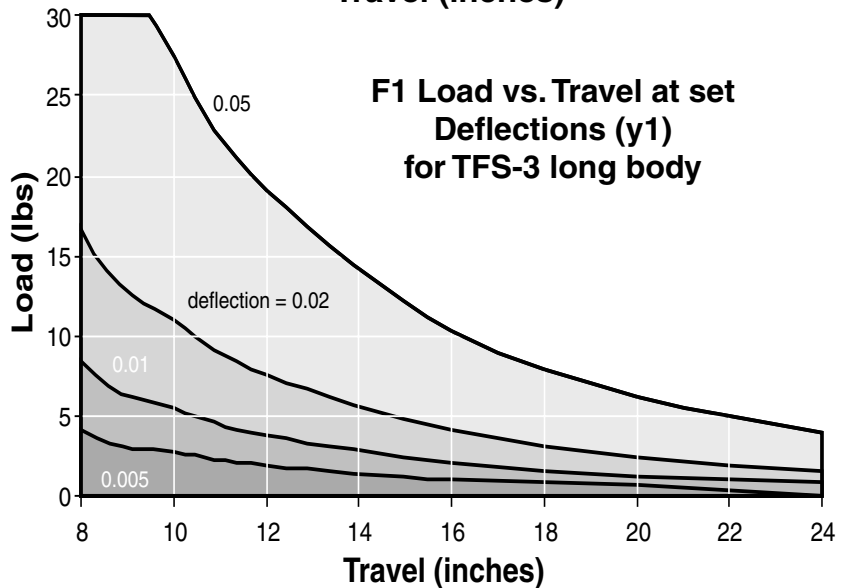
- Force @ 80 PSI = 140 lbs.
- 1.50" Dia. Bore
- .750 Dia. Guide Shaft
- Available strokes - 1" to 24"
- Air Connection = 1/8 NPT
- Air Supply: 60-100 PSI (4-7 Bar)
- Life expectancy for bearing wear at moderate cycles = 100 million travel inches



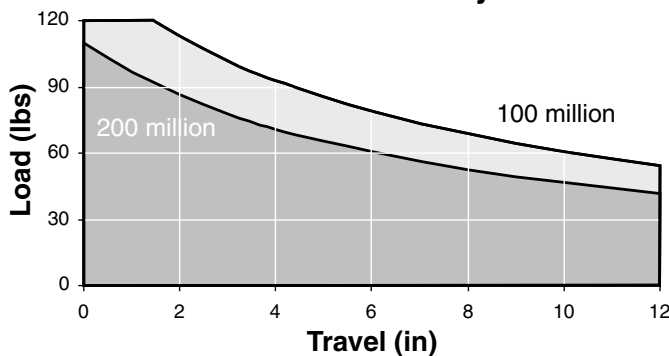
**F1 Load vs. Travel at set Deflections (y1) for TFS-3 short body**



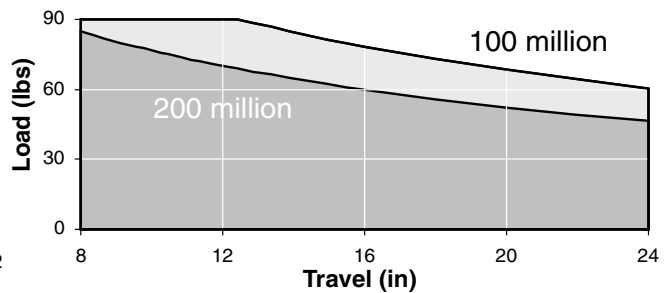
**F1 Load vs. Travel at set Deflections (y1) for TFS-3 long body**



**Life Expectancy (inches of travel) vs. Dynamic Load (lbs vs velocity) for TFS-2 short body**



**Life Expectancy (inches of travel) vs. Dynamic Load (lbs vs velocity) for TFS-2 long body**



# TFS-3 Tuff Series Slides



## Ordering & Options

**TFS - 3 -**  -  -  -  -

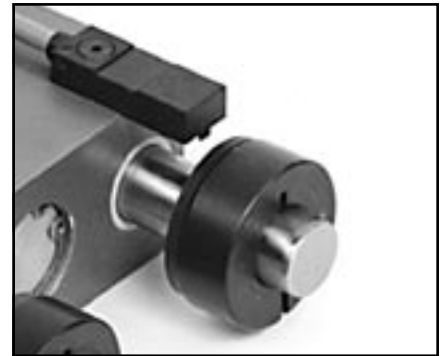
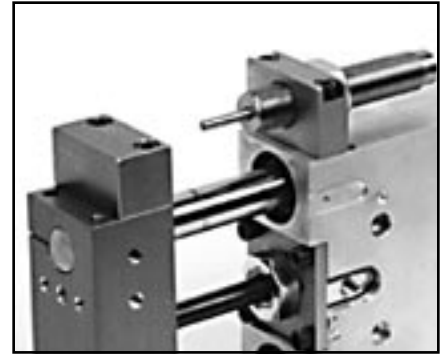
STROKE  
1" to 24"

S = Short Body (1"-10" stroke)  
L = Long Body (8"-24" stroke)

SBS = Striker Blocks with Shock Absorbers  
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



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

