

**LOAD**

Total Maximum Thrust Load on Jack(s): \_\_\_\_\_ pounds force      Number of Jacks: \_\_\_\_\_  
 Maximum Thrust Load on any one Jack: \_\_\_\_\_ pounds force  
 (Note: load can rarely be assumed to be equal on all jacks)

**TRAVEL**

Inches: \_\_\_\_\_      Orientation:    vertical     horizontal     other (arc, diagonal, etc)

**TRAVEL RATE**

Optimal Speed: \_\_\_\_\_ inches/minute  
 Minimum Acceptable Speed: \_\_\_\_\_ inches/minute  
 Maximum Acceptable Speed: \_\_\_\_\_ inches/minute

**DUTY CYCLE**

Distance per cycle: \_\_\_\_\_ inches    (One cycle = extend and retract)  
 Number of cycles per time period: \_\_\_\_\_ cycles per \_\_\_\_\_  
 Maximum Distance Traveled in any Year: \_\_\_\_\_ inches  
 Life Desired: \_\_\_\_\_  
 (Important: If load varies significantly, please explain below.)

**OPERATION**

Jack Screws are Loaded in:    Tension     Compression     Both  
 Jack will be Driven by:        Hand        AC Induction motor     Other Type of motor (describe)

**APPLICATION EXPLANATION**

Please briefly describe the application. State type of machine, function of jack(s), load guidance system and environment (shock or impact loading, vibration, temperature extremes, corrosive, dirty, or other extreme operating conditions). Attach any sketches and other relevant information. Also, if a tentative selection has been made, please give the reference number or model and description below.

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