TriStar
Engineered Plastic Solutions™

Linear Plane Bearing Engineering Worksheet

To Complete: Fill out the fields and save the file to your computer. Email to your TriStar contact or submit via online form. For best results use Acrobat Reader. Red border = required. (Use "N/A" if unknown.)

Rev. 2024a

General Information

Company | Date
Contact | TriStar Contact
Address
Phone | Email | Qty.
Application

Technical Specifications

A

Nominal ID "D2" Plus 0.0005 Minus in mm | Nominal OD "D1" Plus Minus in mm

Length "L" Plus Minus in mm

Only fill out one section (see reference images below)

B

Mating Material and Hardness | Dimensions "LxWxH" in mm

Mating Plate Finish

Temp of Operating Environment Min Max °F °C | What is being used now?

Load lbf N | Linear Feet Per Minute

Questions

If the bearing is linear, what is the length of stroke and the cycles per minute?

What is the primary load factor: radial or axial or both?

Does the bearing experience shock or excessive vibration?

If the bearing is oscillating, what is the angle of rotation, cycles per minute, and dwell time?

Are the temperature variations (if any) gradual or rapid?

Type of Media: air, gas, or liquid? Intermittent or Constant?

Is the environment abrasive in nature?

Does the environment call for electrical: dissipation or insulation?

Does the environment call for thermal: insulation or transfer?

Does the application require: FDA, NSF, USDA, 3A or USP?

Is the shaft/slide running: vertically, horizontally, or diagonally?

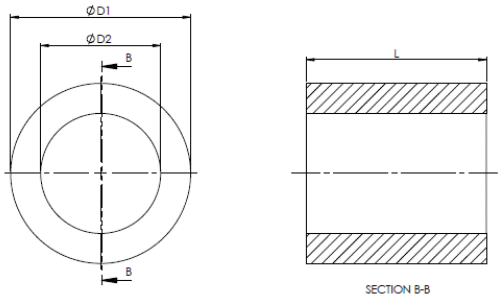
Is shaft/slide misalignment anticipated?

Are there special shaft treatments: hardcoat, ENP, chrome, TFE?

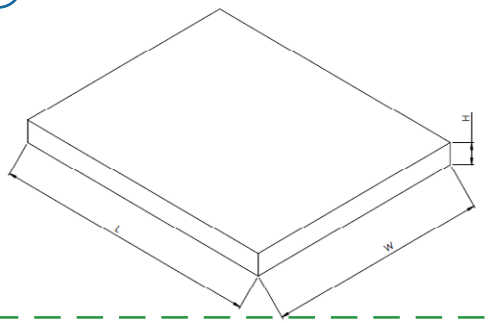
Notes about the hardware (housing material, etc.):

Chemicals in contact with the bearing

A Reference



B Reference



Flammability rating required for this application? If yes, which one?