

## General Information

Company  Date

Contact

Address

Phone  Email

Application

## Technical Specifications

Nominal ID (in/mm)  Plus  Minus       Nominal OD (in/mm)  Plus  Minus

Length (in/mm)  Plus  Minus       Shaft Diameter (in/mm)  Plus  Minus

Shaft RPM  Shaft Finish  Shaft Material and Hardness

Housing Size and Tolerance  Plus  Minus       Load (in lbs/kg)

Temp of Operating Environment  Min  Max       What is being used now?

## Flange Specifications

Flange Thickness  Flange Diameter  Plus  Minus

Thrust Load (in lbs/kg)  Mating Material

## 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 running: vertically, horizontally, or diagonally?

Is shaft misalignment anticipated?

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

## Reference



Bearing Load ( P value ) is LBS / ( ID x Length )

		0.0000		1
<i>ID</i>	<i>Length</i>	<i>ID x L</i>	<i>Load</i>	<i>Load / (ID x L) = P value</i>

Relative Velocity (V) is Shaft Dia x 3.14/12 x RPM

	3.1415	0.0000	0.0000	0
<i>Shaft Dia</i>	<i>x pi</i>	<i>equals</i>	<i>div. by 12=</i>	<i>x RPM= V Value</i>

PV Value

1	0	0
<i>P times</i>	<i>V equals</i>	<i>PV</i>

Notes about the hardware (housing material, etc.)

Chemicals in contact with the bearing