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## General Information

Company	Date
Contact	TriStar Contact
Address	
Phone	Email
Application	QTY.

## Technical Specifications

Nominal ID	Plus Minus in mm	Nominal OD	Plus Minus in mm
Length (Includes flange thickness)	Plus Minus in mm	Shaft Diameter	Plus Minus in mm
Shaft RPM	Shaft Finish	Shaft Material and Hardness	
Housing Bore	Plus Minus in mm	Load	lbf N
Temp of Operating Environment	Min Max °F °C	What is being used now?	

  

<b>Flange Specifications</b>	Flange Thickness	in mm	Flange Diameter	Plus Minus in mm
	Thrust Load	lbf N	Thrust RPM	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?
- Flammability Rating required for this application? If yes, which one?

## Reference



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

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

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

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

PV Value

1	0	0
P times	V equals	PV

Notes about the hardware (housing material, etc.)

Chemicals in contact with the bearing