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## General Information

Company	Date
Contact	TriStar Contact
Address	
Phone	Email
Application	Qty.

## Technical Specifications

Nominal ID	<input type="checkbox"/> Plus <input type="checkbox"/> Minus <input type="text"/> in <input type="text"/> mm	Nominal OD	<input type="checkbox"/> Plus <input type="checkbox"/> Minus <input type="text"/> in <input type="text"/> mm
Length	<input type="checkbox"/> Plus <input type="checkbox"/> Minus <input type="text"/> in <input type="text"/> mm	Shaft Diameter	<input type="checkbox"/> Plus <input type="checkbox"/> Minus <input type="text"/> in <input type="text"/> mm
Shaft RPM	Shaft Finish	Shaft Material and Hardness	
Housing Size and Tolerance	<input type="checkbox"/> Plus <input type="checkbox"/> Minus <input type="text"/> in <input type="text"/> mm		Load
Temp of Operating Environment	<input type="text"/> Min <input type="text"/> Max <input type="text"/> °F <input type="text"/> °C		What is being used now?

## 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?
- Notes about the hardware (housing material, etc.):
- Chemicals in contact with the bearing

## 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

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

Additional Notes