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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

Plus Minus in mm

Shaft Diameter

Plus Minus in mm

Shaft RPM

Shaft Finish

Shaft Material and Hardness

Housing Size and Tolerance

Plus Minus in mm

Load

lbf N

Temp of Operating Environment

Min Max °F °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:

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

Additional Notes