



# Fiber-Lube Application Data Sheet

COMPANY		DATE:	
CONTACT		Sales Rep:	
PHONE			
ADDRESS			
EMAIL			
Application			

Nominal I.D. (inches):		plus	minus	
Nominal O.D. (inches):		plus	minus	
Length (inches):		plus	minus	
Shaft diameter (inches):		plus	minus	
Shaft finish:				
Shaft material and hardness:				
Housing size and tolerance:		plus	minus	
Load (in pounds):				
Temp. of Operating Environment:		Max:	Min:	
Shaft RPM:				
What is being used now?				

Bearing Load ( P value ) is  $LBS \div (ID \times Length)$

ID	Length	ID x L	Load	Load ÷ (ID x L) = P value

Relative Velocity ( V value ) is  $Shaft \varnothing \times 3.14 / 12 \times RPM$

Shaft Dia.	$\times \pi$	equals	÷ by 12 =	$\times RPM = V \text{ value}$

PV value

P times	V equals	PV

Any special notes?

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

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

**Questions:**

**Answers:**

Does the bearing experience shock or excessive vibration?	
What is the primary load factor: radial or axial or both?	
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: hard-coat, ENP, chrome, TFE?	
Notes about the hardware (housing material, etc.):	

Chemicals in contact with the bearing:

Additional Notes:

[www.daemar.com](http://www.daemar.com)

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