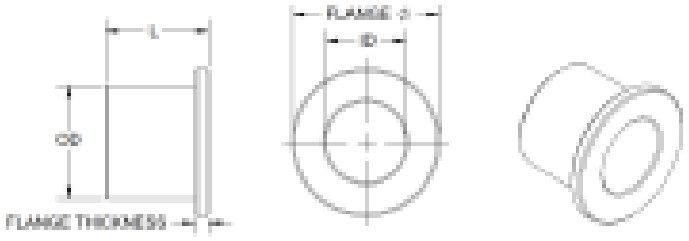
Flange Bearing Engineering Worksheet

Please fill out the worksheet and email to: EPTtechnicalsupport@ensingerusa.com

Gray boxes = Required

General Information

Date	Contact
Phone	**Email**
Company	



Address

Application	Quantity

Technical Information

Shaft Diameter		Nominal ID		Nominal OD		Housing Bore	
	☐ in ☐ mm		☐ in ☐ mm		☐ in ☐ mm		☐ in ☐ mm

Length (includes flange thickness)		Flange Diameter		Flange Thickness	
	☐ in ☐ mm		☐ in ☐ mm		☐ in ☐ mm

Shaft Load		Shaft Speed RPM	Shaft Finish	Shaft Material and Hardness	Flange Thrust Load	
	lbf N					☐ lbf ☐ N

Standard Operating Temperature	Maximum	Minimum	
			☐ °F ☐ °C

Calc Pressure (PSI) **Calc Speed(Ft/min)** **Estimated PV**

Questions

Reason for inquiry? (Failure mode: Premature wear? Compression? New design?)	
If the bearing is oscillating, what is the angle of rotation, cycles per minute, and dwell time?	
Does the bearing experience shock or excessive vibration?	
Are there temperature variations (if any) gradual or rapid?	
Type of Media: air, gas, or liquid? Intermittent or constant?	
Is the environment abrasive in nature?	
Electrical Dissipation, Conductivity or Insulation Requirements?	
Thermal Transfer or Insulation Requirements?	
Regulatory Requirements? FDA, NSF, USDA, 3A or USP?	
What is the Shaft Orientation? (Vertical, Horizontal, or Other)	
Is shaft misaligned or have an applied moment	
Is the shaft treated or coated? (hardcoat, ENP, chrome, TFE)	
Smoke or Flammability Requirements?	
Chemicals and Materials in contact with the bearing?	
Other Applicable Information?	