



Flange Bearing Design Worksheet

Please fill in all of the sections of this worksheet to the best of your ability and return the completed worksheet to your Redwood Sales Engineer or local Redwood branch.

Email to: Sales@RedwoodPlastics.com

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General Information

Company Name	<input type="text"/>	Date	<input type="text"/>
Contact Name	<input type="text"/>	Redwood Sales Engineer:	<input type="text"/>
Street	<input type="text"/>		<input type="text"/>
City, State/Prov, ZIP	<input type="text"/>	Country	<input type="text"/>
Phone	<input type="text"/>	E-Mail	<input type="text"/>
Application	<input type="text"/>		

Technical Specifications

Inner \varnothing (nominal)	<input type="text"/>	Tolerance	<input type="text"/>	Shaft \varnothing	<input type="text"/>
Outer \varnothing (nominal)	<input type="text"/>	Tolerance	<input type="text"/>	Shaft Material	<input type="text"/>
Length Thru Bore	<input type="text"/>	Tolerance	<input type="text"/>	Shaft Hardness	<input type="text"/>
Flange \varnothing	<input type="text"/>	Load (lbs/kgs)	<input type="text"/>	Shaft Surface Finish	<input type="text"/>
Flange Thickness	<input type="text"/>	RPM	<input type="text"/>	Housing Bore	<input type="text"/>
Temperatures	<input type="text"/> °F/C	Minimum	<input type="text"/> °F/C	Maximum	<input type="text"/>
What is being used now?	<input type="text"/>				

Questions

Is the primary load factor radial, axial or both?	<input type="text"/>	Full rotation, oscillating, or neither?	<input type="text"/>
Does the bearing experience shock or vibration?	<input type="text"/>	Osc angle and cycles p/min?	<input type="text"/>
Are the temperature variations gradual or rapid?	<input type="text"/>	Electrical dissipation required?	<input type="text"/>
Type of operating media (air, liquid, chemicals)?	<input type="text"/>	Media Intermittent or Constant?	<input type="text"/>
Is shaft misalignment anticipated?	<input type="text"/>		
Is the shaft running vertically, horizontally, or diagonally?	<input type="text"/>	Is FDA/USDA material req'd?	<input type="text"/>
Please list all chemicals that are in contact with the bearing:	<input type="text"/>		
Is the shaft treated (chrome, hardcoat, ENP, TFE, etc)?	<input type="text"/>		
Is the environment abrasive in nature?	<input type="text"/>		
Additional Notes:	<input type="text"/>		

Internal Office Notes:

P-value	V-value	PV-value	Material Candidate(s) for Application	Notes:
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>