TriStar

Engineered Plastic Solutions™

Flange Bearing Engineering Worksheet

To complete this form: ❶ Fill out the form fields. ❷ Save the file to your computer. ❸ Email the file back to your TriStar contact. For best results, use Adobe Reader.

Red border = Required.

General Information

Company

Contact

Address

Phone

Email

Application

What is Being Used Now?

Date

TriStar Contact

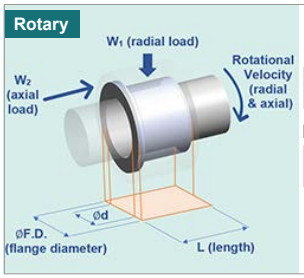
QTY.

Units

Technical Specifications

❶ Type of Application

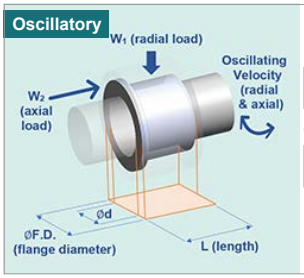
Rotary



Shaft Speed (RPM)

Load, W_1 (Per Selected Unit)

Oscillatory



Oscillating Cycle Speed (s^-1)

Osc. Angle (deg)

Load, W_1 (Per Selected Unit)

❷ Flange Specs

Nom. Flange Thickness

Nom. Flange Dia.

Axial Load, W_2

Thrust RPM

Mating Material

Mating Hardness

Mating Finish

❸ Bushing Size (Per Selected Units)

		Plus	Minus
Nominal I.D.			
Nominal O.D.			
Length			

❹ Mating Hardware (Per Selected Units)

		Plus	Minus
Shaft Diameter & Tolerances			
Housing Diameter & Tolerances			

Shaft Material

Shaft Hardness

Shaft Finish

❺ Application Temperature (Per Selected Units)

Ambient Operating Temperature

Maximum Temperature

Minimum Temperature

Questions

Does the Bearing Experience Shock or Excessive Vibration?

What is the running time? Hours Minutes Seconds

→ What is the dwell period, if any? Hours Minutes Seconds

Are the temperature variations (if any) gradual or rapid?

Type of Media: air, gas, or liquid?

→ Intermittant or Constant Exposure?

Is the environment abrasive in nature?

Does the application require electrical dissipation or insulation?

Does the application have any compliance requirements?

Is shaft misalignment anticipated?

Are there special shaft treatments?

Are there any chemicals in contact with the bearing?

Is there any flammability requirement?

Additional Notes