BEARING DESIGN CHECKLIST (BDC)

Reference Project: _____ **Date:** _____

Distributor /Branch	**Contact**
Customer	**Contact**
City	**State**
Phone	**Fax**
Email	

Application Data

Do any of these conditions exist?

- ☐ Modular Belt
- ☐ Tensioned Flat Belt
- ☐ Screw Auger
- ☐ Overhung Load
- ☐ Trunnion
- ☐ USDA/FDA Inspection
- ☐ Indirect Food Contact
- ☐ Direct Food Contact
- ☐ Wash Down
- ☐ Submersion
- ☐ Chemical
- ☐ Abrasive Material
- ☐ Vibration/Impact

What type of drive is being used?

- ☐ Roller Chain
- ☐ Direct Couple
- ☐ Timing Belt /HTD Belt
- ☐ V-Belt
- ☐ Line Shaft
- ☐ Hydraulic Motor
- ☐ Slave Drive
- ☐ Variable Frequency Drive
- ☐ Supported Shaft Mount Reducer
- ☐ Unsupported Shaft Mount Reducer
- ☐ Idler

Bearing for: ☐ New machine ☐ Retrofit

How long is current bearing lasting? (Estimated life)

Weeks: _____ Months: _____ Years: _____

Is a drawing of current system available? ☐ Yes ☐ No

Existing problem is with: ☐ Bearing ☐ Housing ☐ Both

Suspected cause of failure: _____

_____

Will existing housing be re-used? ☐ Yes ☐ No

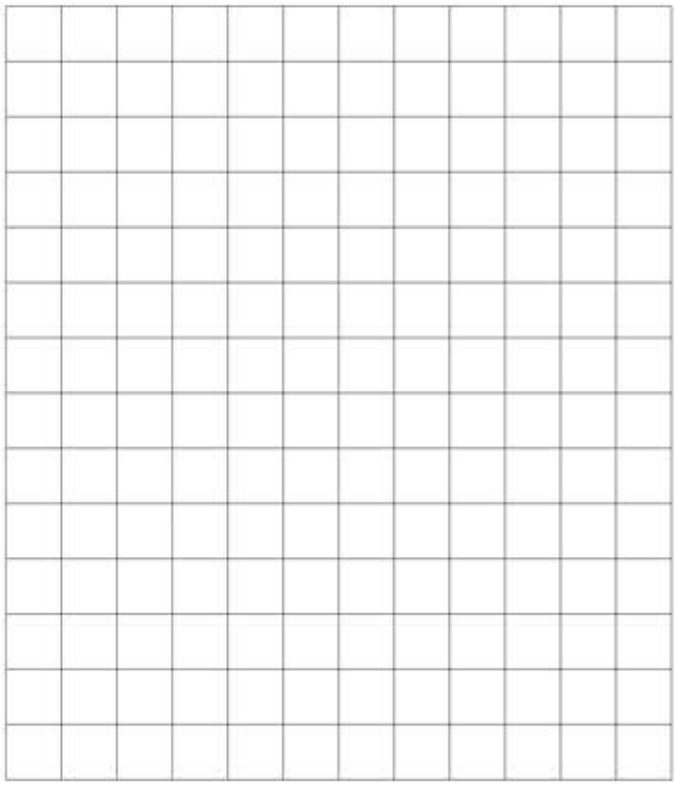
Has a plane bearing been tried previously? ☐ Yes ☐ No

Material or brand: _____

Describe the application: _____

_____

_____



Bearing Data

☐ Mounted ☐ Type "E" or Roller ☐ Thrust
☐ ER ☐ Unmounted/Radial ☐ Roll End

Shaft Diameter: _____

Shaft RPM: _____

Estimated Load/Bearing: _____

Temp. around bearing: _____

Shaft direction: ☐ Horizontal ☐ Vertical ☐ Inclined

Type of motion: ☐ Radial motion ☐ Linear motion
☐ Expansion ☐ Intermittent ☐ Reversing ☐ Frequent stop/start

Self-alignment required? ☐ Yes ☐ No

Split housing required? ☐ Yes ☐ No

Part # of existing bearing: _____

Style of housing: _____

(If completing this checklist with bearing performance questions) Has anything about your operation or the enironment changed in the past few months: _____

_____

_____

It is extremely helpful if you can provide information about the chemicals that the bearing is subjected to in operation or in cleaning. Please send MSDS if at all possible, or at least a list of the solutions that come in contact with the bearing(s). Email information to scottw@edtcorp.com with a note that your email accompanies the BDC you are submitting.