
BEARING DESIGN CHECKLIST

1. MANUFACTURER PRE-MEETING

- Type of Bearing (Circle):
SPB / Bushing / Rod End / Ball Joint / Cylindrical Roller Bearing / Deep Groove Ball Bearing / Mast Guide/
Inner or Outer Rings / Square Ball Universal Joint
- Bearing Needs Specified:
Load _____ Speed _____ Life Expectancy _____
Operating Temperature _____ Temperature Range _____
Surface Finishes _____
 - Housing Press Fit / Housing Slip Fit
 - Shaft Press Fit / Shaft Slip Fit
 - Lubricated / Non-Lubricated
 - Housing Spinning / Shaft Spinning
 - Open to Material Changes
 - Open to Bearing Provided as Part of an Assembly
- Application _____
- Environment of Working Condition _____
- CAD Drawings of Mating Parts
- CAD drawings and SolidWorks Files are Readily Available
- Production Timelines Estimated: Samples, Production, PAPP, Start of Production (SOP)
- Printed Copies of Presentation Materials, Agendas and Important Documents

2. MEETING WITH BEARING MANUFACTURER

- Design Team Present Either In-Person or via Conference Call/Skype
- Manufacturer's Product Team Present
- Discuss Your Testing Requirements and Compare to Manufacturer's Capabilities
- Other: _____

3. PRODUCT TESTING USING THE NEW BEARING

- Order Samples for Review and Test
- Review Manufacturer's Test Results from Lab Test and Test Stands
- Conduct Field Tests
- Communicate Changes to Bearing Manufacturer and Retest
- Other: _____