

# Troubleshooting EDT Bearings

Problem	Cause
Cracked or broken flange on ALL-ROUND® polymer bearing	<ul style="list-style-type: none"> <li>• Anti-rotation setscrew locked and not allowing spherical insert to self-align</li> <li>• High impact in radial or thrust direction</li> <li>• Locking sleeves positioned and locked too close to the polymer flanges in high heat applications – when heat is removed and shaft shrinks the locking sleeves pinch the bearing</li> <li>• Centerline of bearing not lined up with shaft (edge loading)</li> </ul>
Excessive heat accumulating in ALL-ROUND® bearing	<ul style="list-style-type: none"> <li>• Polymer bearing material not suited for application</li> <li>• Centerline of bearing not lined up with shaft (edge loading)</li> <li>• Locking sleeve flange mounted too close to polymer bearing</li> <li>• Locking sleeve mounted on wrong side of polymer flange and making metal-to-metal contact with stainless steel insert</li> <li>• Excessive buildup of contaminants in bearing</li> <li>• Chemical deterioration</li> <li>• Locking sleeve flange is improperly making contact with a fixed object</li> </ul>
Excessive heat accumulating in Poly-Round® insert or block bearing	<ul style="list-style-type: none"> <li>• Anti-rotation setscrew locked and not allowing spherical insert to self-align</li> <li>• Locking sleeve flange mounted too close to polymer bearing</li> <li>• Polymer bearing material not suited for application</li> <li>• Improper bore clearances</li> <li>• Chemical deterioration</li> <li>• Excessive buildup of contaminants in bearing</li> <li>• Centerline of bearing is not in line with shaft centerline (edge-loading)</li> <li>• Locking sleeve flange is improperly making contact with a non-rotating machine part</li> </ul>
Locking sleeve moving out of position	<ul style="list-style-type: none"> <li>• Excessive thrust loading on bearing</li> <li>• Loctite® or other thread locker not used</li> <li>• Back up split set collar not installed behind locking sleeve flange</li> </ul>
Ball bearing with excessive noise, vibration, or heat	<ul style="list-style-type: none"> <li>• Bearing is not aligned properly with shaft</li> <li>• Too much grease packed in bearing</li> <li>• Too little grease in bearing</li> <li>• Races or balls damaged during installation</li> <li>• Excessive foods, brinelling, spalling, contamination, corrosion, fit too loose or too tight. (See Google™ search for “ball bearing failure.”)</li> </ul>

With any questions or concerns about EDT products, please call the factory at

**360-574-7294**

Monday - Friday 7:00 a.m. to 5:00 p.m. Pacific Time - Vancouver Washington USA