EDT HAS BEARINGS FOR ALL AREAS OF BAKED GOODS AND SNACK PROCESSING
EDT Polymer Plane Bearings

Poly-Round® bearings are the most efficient and effective way to eliminate lubricants when grease is a problem. Wash-down, extreme temperatures, chemicals, incomplete rotation, and abrasives degrade ball bearings; Poly-Round® inserts of the appropriate material for the application can withstand these environments.

- USDA accepted
- 100% grease-less; zero rust
- Variety of polymer inserts, including metal detectable
- Optically detectable blue housings available
- Stainless steel, bronze, stainless, nylon, and PTFE bushings available
- Bearing inserts are available in 1/16” to 1-1/2” size; bushings are available in 1/4” to 1-1/2” size
- Blue optically detectable polymer housings available

Radial Poly-Round® Bearings

EDT Radial Poly-Round® bearings (RPR’s) are manufactured from bearing grade polymers and 316 stainless components, and are designed to retrofit deep groove ball bearings and other styles of radial bearings.

- USDA accepted
- 100% non-corrosive, zero rust
- Well-suited to HACCP/HARPC programs
- Choice of polymer bushings
- Available in most radial bearing sizes
- Custom configurations available

Type E Solution® Bearings

EDT’s Type E Solution® bearings are designed to operate where tapered roller bearings do not perform adequately, often subjected to process or wash down moisture or where food safety is a concern.

- USDA/NSF accepted
- Housing and bearings 100% rust free
- Maintenance free: 100% grease-less
- Can be mounted directly over the food product zone
- Available in pillow block, 4-bolt, and piloted styles
- Split units available

Mounted Ball Bearings

Stainless steel or ‘KG’ polymer material bearing housings with a wide selection of ball bearing designs to choose from.

- Stainless steel or other material
- Set screw locking or eccentric
- Value, Classic or Choice inserts
- Greased or solid lubricated
- Available for every shaft size from 1/2” to 3-7/16” (12.7mm to 90mm)
- Blue optically detectable polymer housings available

Solid Lubrication

With increasingly stringent food safety mandates, solid lubricants can be effective alternatives to grease. Solid lubes help exclude contaminants from interacting with rolling activity by filling the area around the balls. They eliminate issues of over-greasing, using the wrong kind of grease, or a lack of grease. Options for polymer-based (EPL) and graphite-based (EGL) solid lubricants with:

- Food grade and non-food formulations
- Capacity for operating temperatures from -250°F to +650°F (-157°C to 343°C)
- Seals and/or flingers are reinstalled, but bearings can also be provided with the solid lubricant open for visual inspection and maximum content

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High Temp Bearings

Wide selection of Poly-Round® and stainless steel bearings for high temp applications.

- 100% grease-less
- Bearings available:
  - Poly-Round® inserts for temperatures up to 1000°F / 540°C
  - Fixed and floating to accommodate thermal expansion
  - Ball bearings with solid lubricants; various to 650°F /343°C
- Housings available:
  - Machined stainless (optional split)
  - Cast stainless
  - Solid steel

Mounted Ball Bearings

Stainless steel or ‘KG’ polymer material bearing housings with a wide selection of ball bearing designs to choose from.

- Stainless steel or other material
- Set screw locking or eccentric
- Value, Classic or Choice inserts
- Greased or solid lubricated
- Available for every shaft size from 1/2” to 3-7/16” (12.7mm to 90mm)
- Good stock
- Custom housings are available
- Blue optically detectable polymer housings available
Applications

Mixing / Grinding
EDT bearings are ideal for sanitary, high-temperature environments (up to 250°F) and are designed to meet USDA and FDA standards. They are manufactured from corrosion-resistant materials and are suitable for a wide range of applications, including those that involve contact with food products.

Proofing
EDT bearings are ideal for applications where high temperatures and humidity are present, such as in ovens and proofers. They are made from corrosion-resistant materials and are designed to operate reliably in these harsh environments.

Frying / Baking
EDT bearings are ideal for applications where high temperatures and humidity are present, such as in ovens and proofers. They are made from corrosion-resistant materials and are designed to operate reliably in these harsh environments.

Cooling
EDT bearings are ideal for applications where high temperatures and humidity are present, such as in ovens and proofers. They are made from corrosion-resistant materials and are designed to operate reliably in these harsh environments.

Frosting / Filling
EDT bearings are ideal for applications where high temperatures and humidity are present, such as in ovens and proofers. They are made from corrosion-resistant materials and are designed to operate reliably in these harsh environments.

Packaging
EDT bearings are ideal for applications where high temperatures and humidity are present, such as in ovens and proofers. They are made from corrosion-resistant materials and are designed to operate reliably in these harsh environments.

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