

# GREASELESS BEARINGS FOR HIGH TEMPERATURE LOCATIONS

## GOT BEARINGS THAT NEED TO TAKE THE HEAT?

Look to EDT for solutions to high temperature bearing problems.

The two big challenges to bearings operating in high heat locations are lubrication and expansion. EDT offers Poly-Round® bearings specifically for ovens and other high heat installations that:

- **Require NO grease**
- **Accommodate shaft expansion with fixed and “floating” styles readily available**

Consider Poly-Round® bearings for applications from 200°F / 94°C to 1,000°F / 540°C operating at low to moderate speed, regardless of moisture, wash-down, heating mechanism (infrared, direct or indirect-fired, air impingement, wood fired, gas or electric), hot / cold or on / off cycles.



BY TIMKEN

**Poly-Round® and Radial Poly-Round® oven bearings are proving their value on ovens made by these manufacturers**

**APV-Baker, Babbco, Casa Herrera, Gemini, Heat and Control, JBT-Stein JSO, Lawrence, MIWE and others**



Expansion



Fixed



Radial Poly-Round®

Contact EDT for assistance with bearings operating in all kinds of high temperature environments, including tunnel or batch ovens, smoke houses, proofer, furnaces, kilns, dampers, kettle or batch fryers, steamers or blanchers, retorts, bagel boilers, autoclaves, branders, dryers, etc.



Poly-Round® bearings are **GUARANTEED** for 1 year of low maintenance life on conveyors that are socket-driven (wire belts, modular plastic belts, idler rollers), or EDT will replace it with the bearing of your choice.

When bearing exhibits excessive wear in one direction, the insert can be rotated 180° to extend bearing life.



## Advantages of Poly-Round® Bearings in High Temperatures

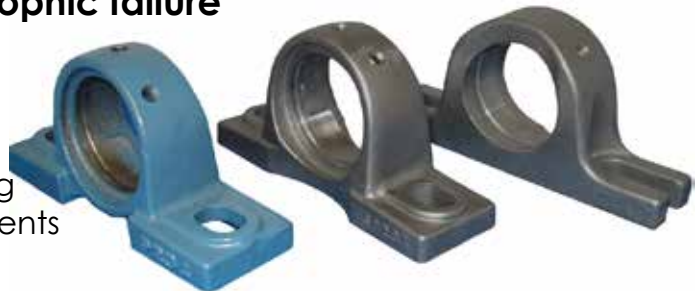
### • Greaseless

- Eliminate labor for maintaining grease
- Eliminate cost of materials for maintaining grease
- Eliminate process contamination from grease
- No unsightly bearings from grease melting out of the bearings



- **No rust - materials are corrosion resistant**
- **Less maintenance due to solid construction parts (no rolling elements)**
- **Predictable wear allows scheduled maintenance**
- **No lost parts or pieces in a catastrophic failure**
- **Plane bearings are self-lubricating**
- **Replace only worn components**

EDT offers a choice of housings depending on visual, sanitary & operational requirements



Cast Iron

Cast Stainless

Machined Stainless

**Let EDT Sweat The Details:**

Complete a Bearing Design Checklist for selection assistance

Bookmark it!

[edtcorp.com/docs/bearing-design-checklist.pdf](http://edtcorp.com/docs/bearing-design-checklist.pdf)



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EDT Corp • 1006-J NE 146th St. Vancouver, WA 98685 • 800-810-7110 • sales@edtcorp.com • www.edtcorp.com

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