

# GRAPHALLOY® Bearings for Food Applications

**Need Greaseless Bearings for Tough-to-Reach Applications?  
For High Temperatures or Washdowns?**

## The Advantages of GRAPHALLOY® Bushings:

- ◆ **Self-Lubricating:** Requires no grease or oil and permits continuous operation.
- ◆ **Wide Temperature Range:** Graphalloy performs in temperatures from  $-400^{\circ}\text{F}$  ( $-240^{\circ}\text{C}$ ) to  $+1000^{\circ}\text{F}$  ( $535^{\circ}\text{C}$ ).
- ◆ **FDA Acceptable Grades Available**
- ◆ **Submerged:** Works submerged in low viscosity and corrosive liquids. Will not swell.
- ◆ **Withstands Steam and Pressure Washes**

## Successful GRAPHALLOY® Applications:

- ◆ Pumps
- ◆ Baking Ovens
- ◆ Fryers
- ◆ Mixers
- ◆ Conveyors
- ◆ Roasters
- ◆ Freezers
- ◆ Steamers
- ◆ Sterilizers
- ◆ Other food handling and transporting applications



Graphalloy meets the needs of tough Food Applications. Our applications engineers are waiting to help you. Contact them at +1 914-968-8400, email us at [sales@graphalloy.com](mailto:sales@graphalloy.com), or visit our website at [www.GRAPHALLOY.com](http://www.GRAPHALLOY.com).



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## Oven Manufacturer Solves Major Maintenance Problem

A bakery oven OEM was using rolling element bearings on the conveyor circuit of a tunnel oven with a temperature range from 450°F to 650°F. To reach these bearings, mechanics would have to crawl over the oven belt when the machine was shut down, thus causing damage and presenting a safety risk. Another issue was caustic washdowns that rusted the ball bearings. In some applications, bearing life was as little as 2 weeks. They were researching solutions when they discovered GRAPHALLOY. Graphalloy self-lubricating bushing materials thrive in high temperature environments, handle caustic washdowns, and are maintenance-free. These Graphalloy bushings in stainless steel pillow block housings have been running in this application for several years with no issues.



## Seafood Freezer Conveyor Extends Bearing Life by 30x

A seafood processing plant in the Southeast was running a conveyor in their freezer area to “flash-freeze” fresh seafood. The environment is a difficult one: the temperature is cold (28°F/-2°C) and wet and the system requires frequent washdown. The conveyor bearings were being replaced every month. The plant maintenance superintendent contacted GRAPHALLOY about the problem. It was determined that the current bearings could not hold lubrication under these conditions and, as a result, breakdowns were occurring frequently. Graphalloy 4-bolt flange block assemblies were installed and have been running successfully for more than five years!



Email us at [sales@graphalloy.com](mailto:sales@graphalloy.com) or visit our website at [www.GRAPHALLOY.com](http://www.GRAPHALLOY.com)  
for more successful food case histories



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