



Staying InSync With Technology.

"APPLIED supplies the Bakery Industry with the products you use, the brand names you trust"

Sealmaster Mounted Ball Bearings

Applied Industrial Technologies offers the Bakery Industry a variety of Sealmaster Mounted Ball Bearings to keep you InSync® with superior products for your applications. Sealmaster bearings are available in the industry's widest bore range from 1/2" through 4-15/16" and are built with the highest standards to offer maximum bearing life and unsurpassed reliability.

Bakery Industry Applications:

- Conveyors
- Cooling tower
- Rotary die cutter
- Laminator divider
- Packaging

Features/Benefits:

- **Patented felt labyrinth seal** provides a tight seal which retains grease and acts as a filter to exclude bakery dust. This design operates with less drag and less heat generation than rubber contact seals.
- **Extra wide inner and outer races** provide better stability on the shaft and in the housing and offer extra grease capacity.
- **Zone hardened inner race** provides a fully hardened ball path while leaving the race extension unhardened, allowing for exceptional control of setscrew holding power. Raceways are ground and honed to ensure longer life and quieter operation.
- **Exclusive locking pin and dimple system** prevents outer race rotation, allows a full +/- 2° misalignment and ensures direct lubrication into the bearing.
- **Solid base cast iron housing** provides rigidity and vibration damping.



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Industrial Technologies®

Value Through Innovation

Applied...Your InSync Solution for Sealmaster High Temperature HF/HFT Oven Mounted Ball Bearings

Different... By Design

Sealmaster has developed a new and unique line of high temperature ball bearings specifically designed to operate in temperatures up to 400° F. HF/HFT Furnace Mounted Ball Bearings support conveyor rolls that are designed to transport a variety of materials through ovens. Generally, they are operated at slow speeds (up to 800 RPM) with the shaft extending through the heated area.

End caps and axial shaft expansion

Sealmaster HF and HFT units can be specified with either HFC or HEC caps. The HFC caps have an opening that allows the shaft to pass through to the drive system. This cap arrangement normally uses the setscrews supplied in the bearing to lock the bearing to the shaft. The HEC cap is a closed end cap which, when used with the square head setscrew (supplied with cap) and a customer machined keyway in the shaft, allows

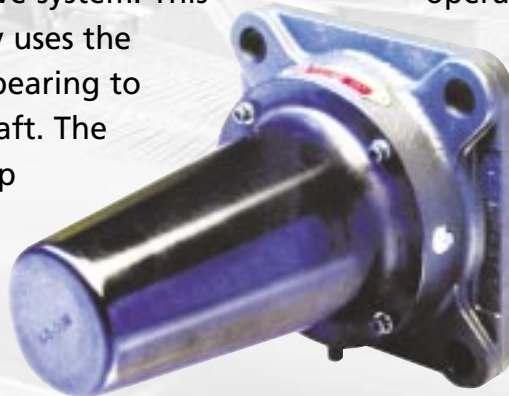
the shaft to expand through the bore of the bearing when shaft temperature rises. One HFC and one HEC arrangement are normally recommended on each shaft.

Contact your local Applied service center at 1-877-279-2799 for questions concerning your application.

Lubrication

Sealmaster HF and HFT bearings are supplied with a high quality/high temperature synthetic lubricant featuring a temperature operating range up to 400° F. The

units are equipped with plugs in the lubrication holes in the housing. Fresh lubricant may extend bearing life. **Consult your local Applied service center for type of lubricant, frequency and proper procedure for relubrication.**



Calculating shaft growth

Shaft growth (in) = .0000063 x shaft length (in) x change in temperature (°F)

Contact Your Local Authorized Service Center

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One Applied Plaza
Cleveland, Ohio 44115-5000
Toll Free Phone: 1-877-279-2799
<http://www.appliedindustrial.com>

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