TIMKEN



Timken® Hygienic Mounted Ball Bearings

Upgrade food safety with Timken® hygienic mounted ball bearings.

Engineered to help you maintain the highest standards in food safety, our hygienic mounted bearings deliver improved production uptime. Made from corrosion-resistant materials and available with food-grade Solid Lube, this premium product can withstand aggressive washdowns and a variety of wet and dry contaminants.

Your first line of defense

Available in optically detectable blue thermoset or stainless steel housings, our mounted ball bearings can help reduce ownership costs. Thanks to an easy-to-clean design, food-grade lubricant and Solid Lube, mounted ball bearings provide longer operating life and fewer maintenance events.

A smart solution for food and beverage processing:

- Conveyors
- Mixers
- Metal detectors
- Check-weighers
- Tumblers
- Slicers
- Breaders
- Bottling machinery

Product Advantages

- Housings are available in optically detectable blue thermoset or stainless steel in all mounting styles.
- Thermoset housings are cast to eliminate voids and increase strength.
- Stainless steel ball bearing inserts feature set screw locking, metal cages and double lip seals.
- The bearings are interchangeable with industry-standard mounted bearings in sizes 15 mm to 75 mm ($^1/_2$ in. to 3 in.)
- The hygienic design is accepted by the USDA.
- The bearings are designed for normal operation between –20° C and 100° C (-4° F and 212° F), although the operating range may vary with Solid Lube.
- Options include food-grade Solid Lube or relubricable food-grade grease.

Gain Solutions That:

Comply with regulations

USDA-accepted hygienic housings feature smooth surfaces without reinforced bolt holes and comply with NSF/ANSI/3-A SSI 14159-1 – 2014. Bearings feature FDA-compliant NSF H1 food-grade lubricants.

Help detect contamination

Both optically detectable blue thermoset housing and metal-detectable ball bearing cage help detect foreign particles.

Simplify cleaning

An optional QuiKlean® housing design avoids dead volume between the housing base and machinery, allowing washdown from all sides. Smooth housing surfaces with laser marking allow for effective removal of residue and reduced washdowns. Solid Lube option prevents grease purge.

Raise productivity

Hygienic housings reduce downtime from mandatory cleanings and food-grade Solid Lube eliminates the need for relubrication.

Achieve lower cost of ownership

Premium bearing units are engineered to reduce costs associated with washdown, downtime and product recalls.

Nomenclature

INSERT **HOUSING** **BORE**

S UC A FL 2 05 - 16 / F

Bearing Material
S Stainless steel

Insert/Locking Style
UC Set screw

Housing Material
A Hygienic stainless steel
B Hygienic blue polymer (thermoset)

Housing Type
P Pillow block
FL Two-bolt flange
FB Three-bolt flange
F Four-bolt flange
T Take-up, wide slot
TB Tapped base
TBY Tapped base, Y series design with imperial thread
TBYM Tapped base, Y series design with metric thread

Diameter Series
2 Standard duty

Metric Bore Diameter Code
04 or higher Bore diameter (mm) = bore diameter code x 5

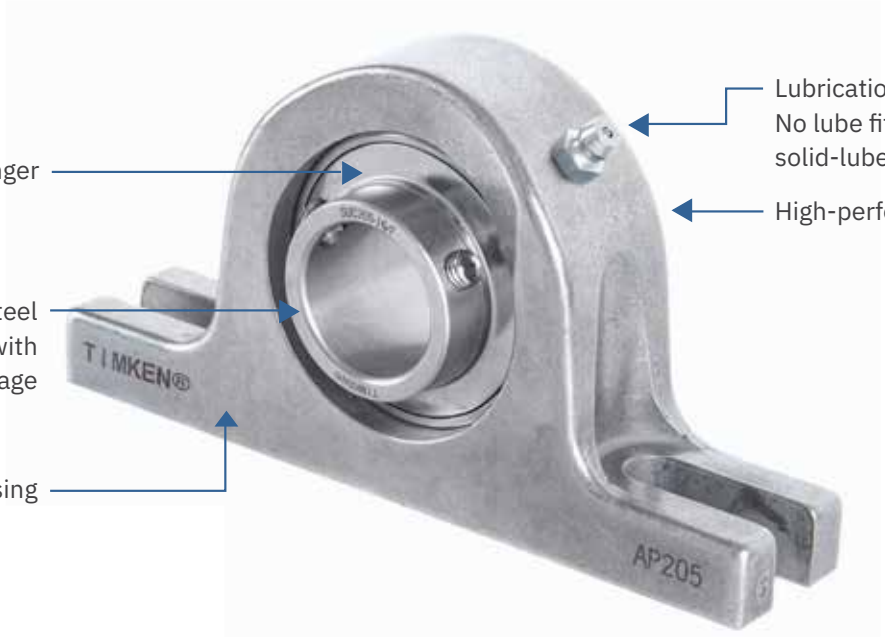
Inch Diameter Code
-8 or higher Bore diameter (in.) = bore diameter code/16

Lubrication Code/Mod Code
F Standard food grade grease
FVSL613 Food grade Solid Lube

Product Range

Housing Style	Insert Series						
	204	205	206	207	208	209	210
Pillow block (P)	B, A	B, A	B, A	B, A	B, A	B, A	B, A
Two-bolt flange (FL)	B, A	B, A	B, A	B, A	B, A	B, A	B, A
Three-bolt flange (FB)	B, A	B, A	B, A	B, A	B, A	B, A	B, A
Four-bolt flange (F)	B, A	B, A	B, A	B, A	B, A	B, A	B, A
Take-up, wide slot (T)	B, A	B, A	B, A	B, A	B, A	B, A	B, A
Tapped base, Y series design with imperial thread (TBY)	B, A	B, A	B, A	B, A	B, A	B, A	B, A

B - Hygienic polymer housing | **A** - Hygienic stainless housing



TIMKEN

The Timken Company partners with customers to design and manufacture advanced motion technology systems and components for critical end markets including aerospace and defense, power and electrification, and automation and industrial solutions. With more than 125 years of specialized engineering expertise, we power performance across the application lifecycle.

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