



TIMKEN® HYGIENIC POLY-ROUND® HOUSED UNITS

**IMPROVE UPTIME AND FOOD SAFETY WITH TIMKEN®
HYGIENIC POLY-ROUND® PLAIN BEARING HOUSED UNITS.**

Hygienic Poly-Round® Plain Bearing Housed Units stand up to harsh conditions found in the food and beverage industry. Made from corrosion-resistant materials, Hygienic Poly-Round Units are resistant to common chemical and high-pressure washdowns.

ENGINEERED FOR FOOD SAFETY

Available in optically detectable blue thermoset or stainless steel housings, this design features a solid base, smooth surface and laser marking to improve cleanability. USDA-accepted hygienic housed units also comply with NSF/ANSI/3-A SSI 14159-1 – 2014 requirements.

Durable and easy to clean, lubrication-free Hygienic Poly-Round Plain Bearing Housed Units are engineered to meet food safety standards.

GAIN SOLUTIONS THAT:

Raise Productivity

The greaseless Poly-Round design reduces downtime by eliminating bearing re-greasing and can outperform ball bearings in many applications. Hygienic surfaces make washdowns easier and faster.

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.

Help Detect and Reduce Contamination

Optically detectable blue thermoset housings make it easy to identify foreign objects in the food products. Lubrication-free Poly-Round Plain Bearings help lower contamination risks by using fewer components.

Comply with Regulations

Hygienic Poly-Round Housed Units are USDA-accepted and meet NSF/ANSI/3-A SSI-14159-1-2014 requirements. This easy-to-clean design makes the product ideal for HACCP or HARCP positions.

Adapt to Your Applications

Dimensionally interchangeable with most industry-standard bearings, Poly-Round Plain Bearing Housed Units offer a wide variety of polymer bearing materials and housing styles to fit your specifications.

Consult your Timken representative to select the right configurations for your application.

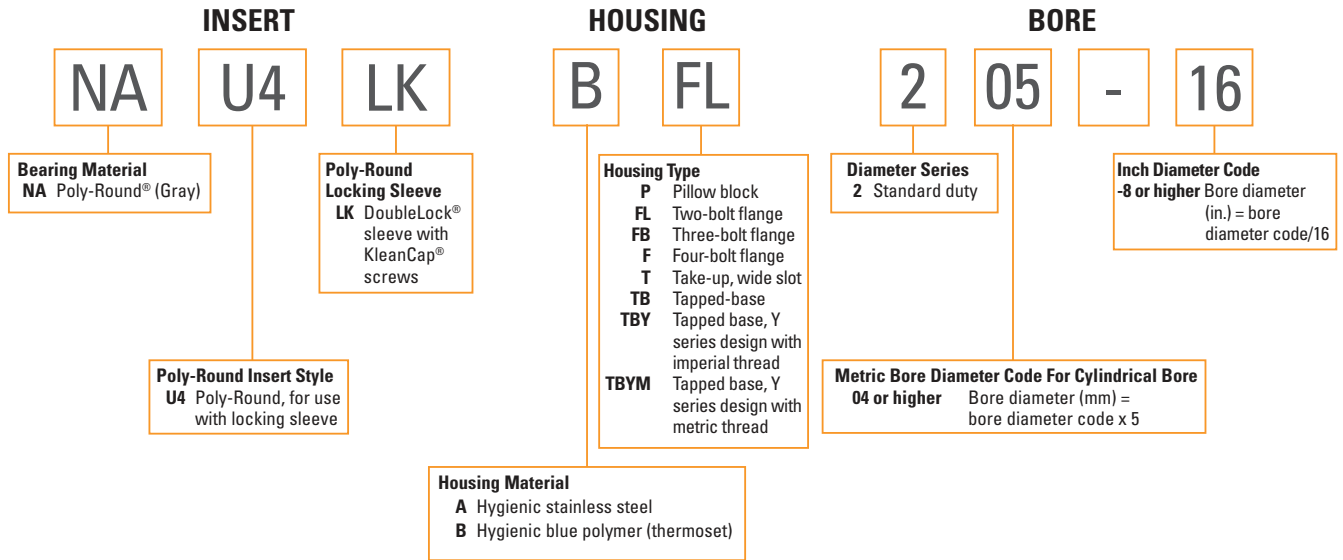
PRODUCT ADVANTAGES

- » Housings available in optically detectable blue thermoset or stainless steel in all mounting styles
- » Thermoset housings are cast to eliminate voids and increase strength
- » Greaseless Poly-Round bearing
- » Engineered polymer insert eliminates failure due to water ingress and corrosion
- » USDA-accepted hygienic housing design
- » AISI 316 shaft-locking sleeve with KleanCap™ screws
- » Designed for operating temperatures between -40° C and 93° C (-40° F and 200° F)
- » Interchangeable industry-standard bearing units from 20 mm to 50 mm (½ in. to ¾ in.)

A SMART SOLUTION FOR FOOD AND BEVERAGE PROCESSING

- » Modular belt conveyors
- » Dumper pivots
- » Horizontal mixers
- » Chillers
- » Freezers
- » Bottling machinery

NOMENCLATURE



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

Note: sizes 203 and 211-216 also are available for Poly-Round Inserts and additional housing styles.



TIMKEN

The Timken team applies their know-how to improve the reliability and performance of machinery in diverse markets worldwide. The company designs, makes and markets bearings, gear drives, automated lubrication systems, belts, brakes, clutches, chain, couplings, linear motion products and related power transmission rebuild and repair services.

Stronger. By Design.

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