

Sentinel™ Series Zinc Insert Bearings



What is Sentinel Series?



NTN's Sentinel Series is a premium line of corrosion-resistant products developed for the harsh conditions of the food & beverage industry. With available products ranging from deep groove ball bearings, bearing inserts and mounted units available in numerous combinations of housings, protective covers, grease and sealing options, Sentinel Series provides a family of food & beverage market solutions to improve overall equipment effectiveness, increase production and provide value.

Key product characteristics

- Sentinel Series mounted bearing units are available in either solid-base reinforced thermoplastic or solid stainless-steel housing designs.
- Sentinel Series mounted bearing units are cap capable allowing you to add or remove covers depending on your application needs.
- Sentinel Series insert bearings are filled with NSF H1 food-grade grease.
- Sentinel Series is designed with food safety and overall equipment effectiveness in mind.



Why Zinc?

Zinc coatings protect steel from rusting and corrosion, extending the life of the bearing. NTN's Sentinel Series ZUC insert bearings feature inner and outer raceways made of quality, high-carbon chromium bearing steel coated in a clear zinc trivalent chromate that does not chip or flake, delivering optimum life and performance.



Additionally, a zinc coated slinger and rubber seal pairing create a labyrinth contact seal design, providing improved protection during operation and frequent wash-down schedules.

As a predominate supplier of bearings into the food and beverage market, NTN offers multiple options of insert bearing designs to maximize life based on the application.

The Sentinel ZUC insert bearing can be paired with all housing and external cap options currently available in the series, and are directly interchangeable to competitors bearing units. Standard insert features include H1 food grade grease, anti-rotation pins, riveted steel cages and run cages, and two self-locking cup point set screws for safe and secure fastening of the bearing to the shaft.

Material	Insert Type	Housing	Size	Bore Diameter	Suffix	Grease
Z	UC	PA	208	24	CC	

1. MATERIAL

Z: Clear zinc chromate

2. INSERT TYPE

UC: Wide inner ring, set screw type w/slinger

3. HOUSINGStainless Steel

P: Pillow block

PA: Tapped-base pillow block

FL: Two-bolt flange

FB: Three-bolt bracket flange

F: Four-bolt flange

T: Take up unit

Thermoplastic

PPL: Pillow block

TBL: Tapped-base pillow block

NFL: Two-bolt flange

FBL: Three-bolt flange bracket

FPL: Four-bolt flange

TPL: Take-up unit

4. SIZE

2xx: Basic size

5. BORE DIAMETERXX: Bore diameter in 16ths of an inch
(ex: 24/16 = 1.5")**6. SUFFIX**CC: Closed cover [†]CO: Open cover [†]

Blank: No cover

[†] - 1 additional open cover included for
pillow blocks**7. GREASE**

Blank: Food-grade grease

Available ZUC Insert Sizes	
3/4"	ZUC204-12
1"	ZUC205-16
1-3/16"	ZUC206-19
1-1/4"	ZUC206-20
1-1/4"	ZUC207-20
1-7/16"	ZUC207-23
1-1/2"	ZUC208-24



SENTINEL

SERIES

**Please contact your local
NTN Sales Representative
for more details.**

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