

# TIMKEN®



## Timken Bearings

Timken® engineered bearings feature precision tolerances, proprietary internal geometries and quality materials.

Extend **MAINTENANCE INTERVALS** - Specify Timken Set-Right® kits for consistent and accurate setting to optimize bearing and seal life.

**MITIGATE RISK** safeguarding against costly thermal events with Timken's 454- Series™ for severe duty.



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Timken Website (<https://www.timken.com/products/timken-engineered-bearings/>)

Tech Tips ([https://www.timken.com/pdf/10832\\_MDV8-Replacing-Cups-and-Cones-Together.pdf](https://www.timken.com/pdf/10832_MDV8-Replacing-Cups-and-Cones-Together.pdf))

## Product Highlights

### Case-Carburized Tapered Roller Bearings

The case-carburizing process produces a hard, fatigue-resistant surface and a tough, crack-resistant core. Material composition and microstructure play a significant role in enhancing bearing life. Controlled retained austenite optimizes surface hardness of high-carbon steels and improves surface ductility, resulting in better rolling-contact fatigue life.

### Uniform Internal Geometry

Tight manufacturing tolerances on the cup, cone and rollers help to optimize bearing life.

### Enhanced Surface Finishes

Advanced finishing processes result in more consistent, smoother surface finishes on our bearing races and rollers. Smoother surfaces mean less friction and greater efficiency.

### Special Profiles

Special profiles reduce stress on Timken bearing races and rollers by providing more even distribution of loads across contact surfaces, increasing load-carrying capacity.

### Steel Quality

Timken provides customers around the world with high-quality steel. Capitalizing on the synergy between our bearing and steel businesses, we use our expertise to select bearing materials that meet the most demanding application requirements and help extend bearing life.

## Top Movers - Timken Bearings

Material No	Material Description
SBN 3782TRB	TAPERED BEARING
SBN HM212049TRB	CONE; TAPERED BEARING
SBN 3720TRB	TAPERED BEARING
SBN 594ATRB	TAPERED BEARING
SBN 592ATRB	TAPERED BEARING



SBN HM212049XTRB	TAPERED BEARING
SBN 580TRB	TAPERED BEARING
SBN 25877TRB	TAPERED BEARING
SBN 25820TRB	CUP
SBN 572TRB	TAPERED BEARING
SBN JM207010TRB	TAPERED BEARING
SBN HM212011TRB	TAPERED BEARING
SBN SET413TRB	BEARING-WHEEL,SET
SBN SET428TRB	BEARING KIT
SBN SET427TRB	BEARING KIT

## Warranty Information

Timken Warranty (<https://www.timken.com/wp-content/uploads/2016/10/Timken-Terms-and-Conditions-of-Sale-English.pdf>)

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