

Full Complement Cylindrical Roller Bearings

TIMKEN

Our Complements to You

The Timken brand stands for quality, from product design and manufacturing to engineering support and distribution. We believe in providing customers with high-performing products – and the best service – for their application needs.

With a rich history of designing roller bearings for harsh industrial applications, Timken has put our expertise to work by expanding our cylindrical roller bearing line to reflect a commitment to satisfying customer needs.

More Rolling Elements, Higher Radial Loads

Full complement cylindrical roller bearings (NCF) offer increased power density and radial load carrying capacity by maximizing the number of rollers in a given envelope. Timken has optimized our design, with particular attention paid to contact areas and surface finishes to maximize bearing ratings

and performance. These engineering enhancements provide a greater design life and reduce heat generation, an essential benefit in full complement designs.

These design features are incorporated into our full complement cylindrical roller bearings to provide customers a range of benefits including:

Unique Internal Geometries

- Increased load capacity resulting from proprietary profiles on the races and rollers minimizes the size and weight.
- Optimized stress distribution from maximized race and roller length reduces friction and heat generation

Enhanced Surface Textures

- Engineered process results in smoother surfaces to reduce friction, lower operating temperatures and promote longer bearing life.

Our full complement product line includes non-locating, semi-locating and locating series of one-row and two-row designs.

Size Range: 100 mm to 2000 mm outside diameter.

Designation: NCF, NNCF

Common Applications:

- Gear Drives
- Crop Shears
- Rolling Mills
- General Industrial
- Wheel End Planetaries



The Timken Difference

There are a lot of cylindrical roller bearings available on the market. Choosing between them can be a time-consuming and confusing experience. At Timken, we provide a high-value solution that is based on earning your trust. Our global team of design, application and service engineers will work with you from the start to find or design the bearing that will meet your demands, and we'll stand by you for the life of the equipment to ensure expectations are exceeded. We strive to not only deliver but excel in the moments that build your trust and confidence.

Designed to Last

Our global engineering team collects performance requirements from around the world and designs bearings to meet the specifications our customers demand.

High Material Quality

Timken is the only premium bearing manufacturer in the world to produce clean, high-alloy steel. Our steel manufacturing knowledge helps ensure quality materials are used in our bearings.

Manufacturing Excellence

Timken worldwide quality standards are implemented in every one of our manufacturing facilities, so each bearing meets the same performance standards – no matter where in the world it is manufactured.

Timken Experts are Your Experts

Every Timken® bearing comes with our team of experts, providing you with the industry's best design, application and 24/7 field-engineering support.

A Full Range of Cylindrical Roller Bearings

At Timken we're striving to be your single-source bearing provider by offering a range of world-class tapered, cylindrical and spherical roller bearings. Timken is constantly expanding its line of cylindrical roller bearings to meet customer size and configuration demands.

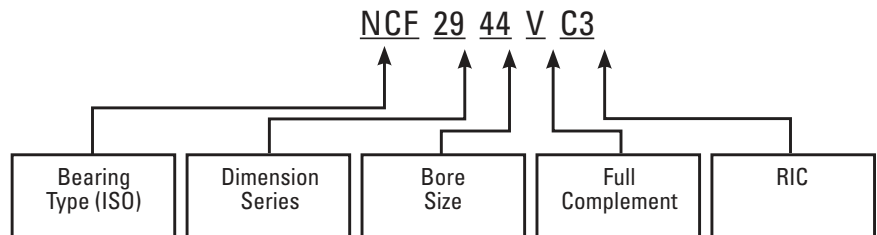
Product Line: Caged and full complement designs available in single-, two- and four-row.

Size Range: 60 inner diameter to 2130 mm outer diameter.

Bearing Types: N, NU, NJ, NUP, NCF

Timken Cylindrical Bearing Nomenclature

Our bearing nomenclature is based on the standard ISO designations.



Interchange information available for common gear box part numbers. Example of the NCF2900 series given here. Other series also available.

Timken*	SKF	INA
NCF2920V	NCF 2920 V	SL 182920
NCF2922V	NCF 2922 V	SL 182922
NCF2924V	NCF 2924 V	SL 182924
NCF2926V	NCF 2926 V	SL 182926
NCF2928V	NCF 2928 V	SL 182928
NCF2930V	NCF 2930 V	SL 182930
NCF2932V	NCF 2932 V	SL 182932
NCF2934V	NCF 2934 V	SL 182934
NCF2936V	NCF 2936 V	SL 182936
NCF2938V	NCF 2938 V	SL 182938
NCF2940V	NCF 2940 V	SL 182940
NCF2944V	NCF 2944 V	SL 182944
NCF2948V	NCF 2948 V	SL 182948
NCF2952V	NCF 2952 V	SL 182952
NCF2956V	NCF 2956 V	SL 182956

*All parts available with C3 clearance



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 high-performance mechanical components, including bearings, gears, chain and related mechanical power transmission products and services.

www.timken.com

Stronger. **Commitment.** Stronger. **Value.** Stronger. **Worldwide.** Stronger. **Together.** | Stronger. **By Design.**