

Connecting the World

Nadella, Durbal, and Chiavette Unificate, each with a rich history of over 70 years of expertise in design and manufacture of rod ends, spherical bearings, linkages, needle roller bearings and angular/axial joints, became part of **Rollon by Timken** in 2023. Both companies follow a vertical production process and maintain a customer-oriented approach, focusing on delivering tailored and cost-efficient solutions.

These principles have propelled their global presence across demanding industries, including industrial machinery, packaging, transportation, food & beverage, motorsport, and renewable energy.

The collaborative efforts of Durbal and Chiavette Unificate result in the broadest product portfolio in their category, catering to a wide range of application needs worldwide, now more than ever.



ROLLON[®]
BY TIMKEN

Rotational
units

About Rollon

For over 50 years Rollon has specialized in the production and development of linear motion systems, adopted worldwide in all those sectors where product performance, efficiency and reliability are essential. With the acquisition by The Timken Company of Nadella, Chiavette Unificate, Durbal, Shuton-Ipiranga, and Rosa Sistemi, Rollon is now able to offer its customers an even more comprehensive product range – from linear components, actuators and systems to ball screws and rotational units.

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Rod ends

The rod ends are specifically designed for the efficient transmission of static and dynamic forces, along with enabling rotary, oscillatory, and tilting movements.

► Premium

Heavy-duty ball or roller-bearing rod ends. Ideal for high stress and high-speed applications.



► Classic

Heavy-duty rod ends. Sliding execution. Maintenance free. Ideal for heavy-load applications.



► Tescubal®

Heavy-duty and high-precision rod ends. Sliding execution. Maintenance free. Ideal for heavy loads and high-speed applications.



► Basic

Maintenance free. Sliding execution. Ideal for high-temperature applications.



► Tesno®

Maintenance free rod ends. Sliding execution. Ideal for high temperature applications and in case of dynamic load peaks.



Tailored solutions

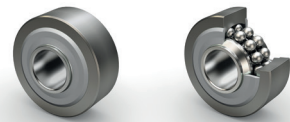
In addition to a wide range of standard products, Durbal and Chiavette Unificate specialize in developing customized solutions for specific applications — from product design and material selection (such as aluminum, high-strength alloys, and Ergal) to various surface treatments, including zinc-nickel plating and GEOMET®.

Spherical plain bearings

The spherical plain bearings are mechanical components designed to handle multidirectional or rotational movements between two parts.

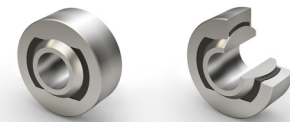
► Premium

Heavy-duty ball or roller-bearing spherical plain bearings for high-speed, providing superior performance and durability under demanding applications.



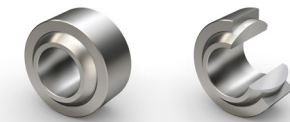
► Classic

Heavy-duty, maintenance-free spherical plain bearings with sliding execution for heavy loads and extreme conditions.



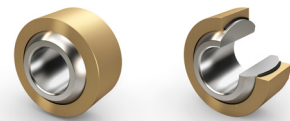
► Tescubal®

Spherical plain bearing with sliding execution, featuring low and constant clearance, designed for wide swiveling and high rotational speeds.



► Basic

Maintenance-free spherical plain bearings with sliding execution, ideal for precision movements in demanding thermal conditions.



► Tesno®

Maintenance-free spherical plain bearings for small oscillations and high temperatures.



myRollon

myRollon is Rollon's **digital working platform** designed to simplify the selection and configuration of linear and rotary motion solutions.



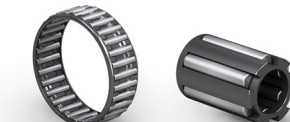
SCAN ME!

Needle roller bearings

High-precision components with needle rollers, especially suitable for high radial and/or axial load applications with limited space.

► Needle Cages

Radial needle roller and cage assemblies have a steel or polymer cage that provides both inward and outward retention for the needle rollers.



► Needle Bushes

Needle bushes consist of a thin, heat treated outer ring formed from accurately controlled sheet steel that encases a set of needles.



► Needle Bearings

Caged needle bearings possess an outer ring made of through-hardened bearing steel. The cage guides the needles and retains them in the outer ring.



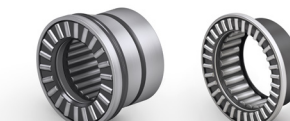
► Needle Thrust

The thrust bearing's rolling elements are guided in radial cage pockets, which are retained to the plate by a steel ring.



► Combined Bearings

They comprise of a needle thrust bearing and cage in a common outer ring, forming an integral unit for easy handling and fitting.



Precision bearings for smooth motion

Roller and needle roller bearings are high-precision components that reduce friction and ensure smooth, reliable motion. Featured in the **Rollon** catalogue, they are used in **automotive** and **heavy machinery** applications, helping to reduce wear, minimize downtime, and lower maintenance costs.