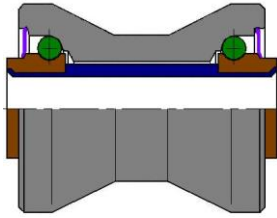


Rollers with angular contact for MONO-RAIL production lines.

Main features

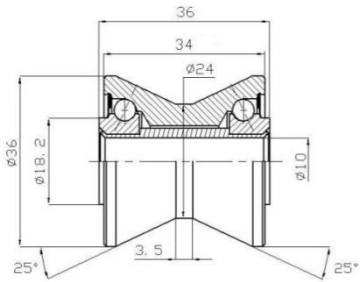


Housing, inner ring, spacer with heat and surface treatments to reinforce resistance to loads and corrosion.

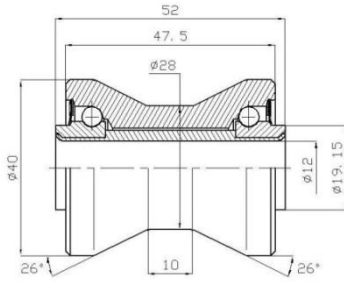
Seals in Viton®

Balls in 100Cr6

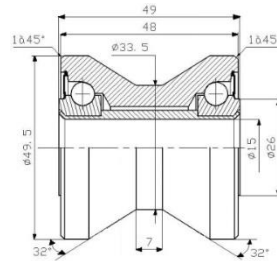
Special lubricants for the food industry
(halal and kosher on request)



Co : 490 daN



Co : 525 daN



Co : 840 daN

Rollers for TWIN-RAIL production lines

Main features

Outer casing in polyacetal

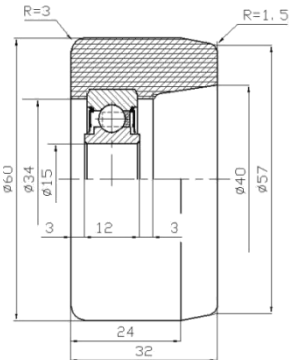
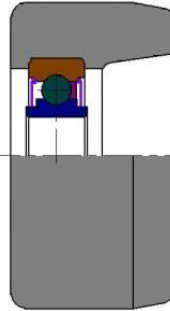
Nitrile rubber seals

Outer and inner rings with heat and surface treatments to reinforce resistance to loads and corrosion.

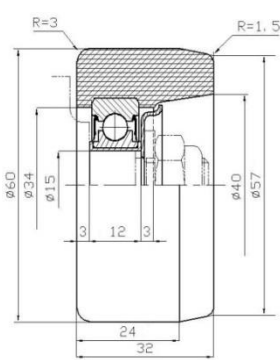
Balls in 100Cr6

Cage in polyamide

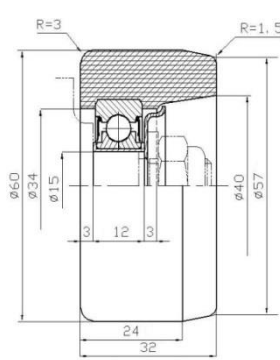
Special lubricants for the food industry (halal and kosher on request)



Co : 350 daN



Co : 350 daN



Co : 540 daN



BEARINGS FOR SLAUGHTERHOUSES

How CGR Quality makes the difference ?



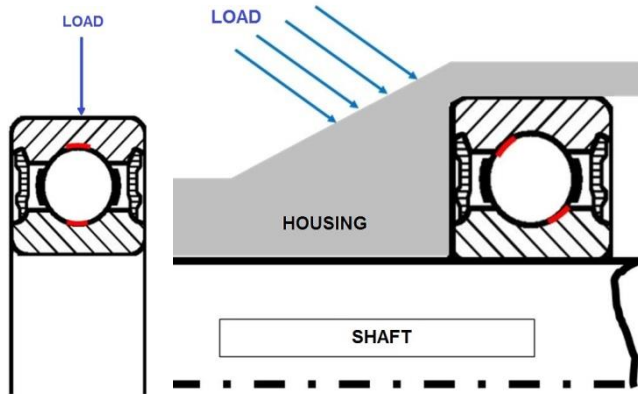
www.cgrroulements.com

11 rue Edouard Branly, F-95220 Herblay

Tel: +33 (0)1 34 18 96 96 - Fax: +33 (0)1 30 40 95 96

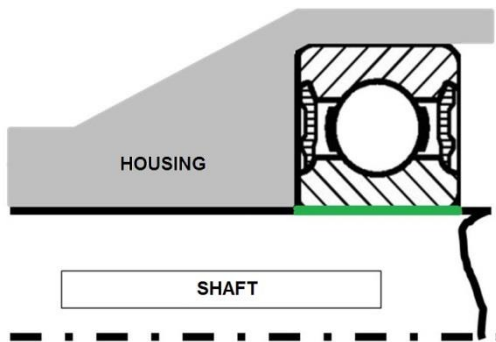
DESIGN WEAKNESSES IN STANDARD BEARINGS LEAD TO PREMATURE WEAR

CGR's DESIGN INCORPORATES HIGH-PERFORMANCE SOLUTIONS TO RESIST WEAR



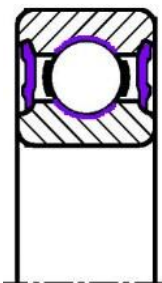
Problems linked to load distribution

Standard ball bearings are designed to work with radial loads. However, both axial and radial loads are applied in this situation, so standard bearings age prematurely.



Premature soiling

Soiling by impurities and chemical agents can occur in the clearance between the shaft and the bore of the bearings. The mechanism can seize up.



Deterioration of seals and accelerated corrosion

Standard ball bearings have no surface treatment. Ordinary NBR seals are used to provide grouting. Corrosion appears on the humid contact points between the seals and outer ring. Corrosion can attack external untreated parts and deteriorated seals become inefficient.

N.b. Nitrile rubber seals wear out more quickly when used at low and high temperatures.

SOLVING THE ISSUE OF LOAD DISTRIBUTION

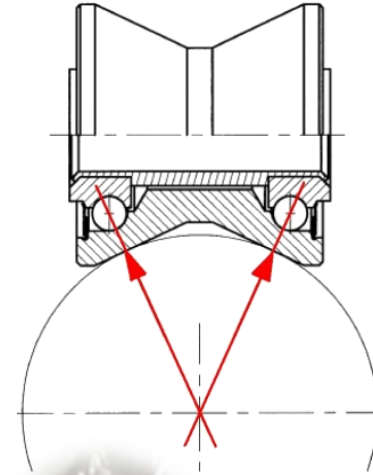
Geometric studies have been used to optimize load distribution.

Angular contact ball bearings are filled with an optimized number of balls on both rows.

The points of contact have been calculated in relation to the load-bearing points on the tubular guide rail.

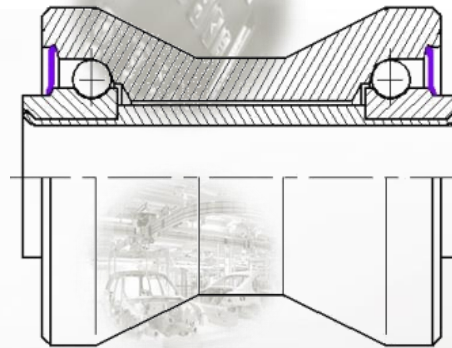
Improved resistance to sudden shocks and shifts in direction.

Axial clearance allows the rollers to continue functioning efficiently even in bends in the production lines.



PREVENTING PREMATURE SOILING

The monobloc structure prevents soiling as well as impurities entering along the shaft.



SOLVING THE ISSUE OF SEAL DETERIORATION AND CORROSION.

Grouting is insured by seals in Viton®, well known for their excellent heat resistance (from -35 °C to +180 °C).

Optimized resistance to acid and alkaline solutions and environments.

Compatible with the extreme conditions found in frozen storage, flame ovens and scalding tanks.

With surface treatment. Special high-resistance lubricants.

