



## Context of the customer's problem

**ROX**

**Location:** France

**Application:** Glass processing

**Application conditions:** Installation in an indoor environment that is harmful to health, exposure of personnel to glass dust and humidity

**Customer requirement:** Reduce the frequency of maintenance operations, limit human intervention as much as possible

The application is highly abrasive and open bearings offer no protection against glass dust.

A sealed solution is also unsuitable due to the abrasive environment, which causes rapid wear on the seals.

The bearings are mounted in SNC 509 two-piece housings.

The standard open competitor solution lasts 4 months on this application.

## NTN's recommendation

- ROX is a solution that is 100% interchangeable with standard open ISO solutions on the market.
- Its deflectors provide protection against dust and abrasion.

## Results

Test of two ROX bearings - 22209EAKW33ZZ, still in operation after two years of use.

▶ **Minimum service life multiplied by 6 compared to the competing solution**

	Number of downtimes (in 2 years)	Cost of downtimes (in 2 years)	CUSTOMER BENEFIT
Previous solution	6 (every 4 months)	€33 000	<b>ROX* solution</b> (over 2 years)  <b>€33 000</b>
New ROX solution	0 (still in operation)	€0	

\*Estimated gain by the customer

This document is the exclusive property of NTN Europe. Any total or partial reproduction hereof without the prior consent of NTN Europe is strictly prohibited. Legal action may be brought against anyone breaching the terms of this paragraph. NTN Europe shall not be held liable for any errors or omissions that may have crept into this document despite the care taken in drafting it. Due to our policy of continuous research and development, we reserve the right to make changes without notice to all or part of the products and specifications mentioned in this document.  
© NTN Europe, international copyright 2026.