



Context of the customer's problem

ROX

Location: Morocco

Application: Bearing for drag chain, clinker cooler

Application conditions: Dust and/or material overflow during furnace pushes, heavy pollution, high load, and high temperatures

Customer requirement: The difficult access to the area and the large number of bearings to be replaced on the line require 15 days of maintenance per year, thus there is a strong customer interest in spacing out preventive maintenance operations as much as possible.

NTN's recommendation

- ROX is a solution that is 100% interchangeable with standard open ISO solutions on the market
- Deflectors provide protection against dust
- Increased grease retention inside the bearing

Results

Test of ROX bearing - 22212EAW33ZZC3, still in operation after two years of use.

- ▶ **Minimum service life multiplied by 2**, thus reducing maintenance operations by 50% compared to standard open premium solutions
- ▶ **Reduction in downtime:** Maximum 7.5 days of downtime instead of 15 days per year

	Number of downtimes/year	Turnover of production site	CUSTOMER BENEFIT
Previous solution	1	€150 million	
New ROX solution	0.5 maximum	€155 million (gain of 7.5 days)	

ROX solution
(in 1 year)

+ 3.33%
or €5 million

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