



Brand of **NTN Group**

# Spherical roller bearing with metallic shields

More than two times longer bearing life



**ROX**  
**BORN FOR THE DUST.**

# More than 2x longer bearing life

ROX is the world's only spherical roller bearing with dual metallic deflectors. It's designed to thrive in dusty environments, for the toughest quarry conditions like yours.

## Stand strong where others fail

# ROX



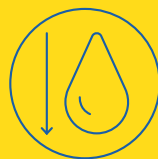
## Why choose ROX?



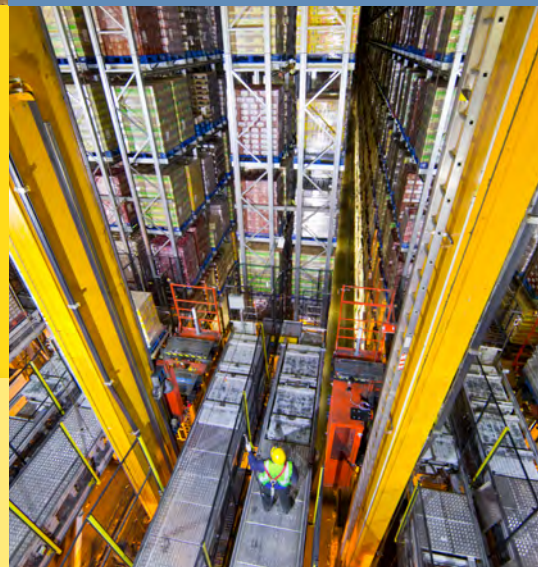
More than 2x longer bearing life



100% compatibility with standard premium bearings (ISO)



Lubrication reduced by more than 50%\*  
\*proven by our customers



# How ROX brings you peace of mind

- Dust and debris blocked by **metallic deflectors (ZZ)**
- Shock resistance improved **by nitrided cage**
- No friction due to **no contact between deflectors and outer ring**
- **Fits inside the SNC plummer blocks** (standard sleeves and locating rings included)
- **Clearance checking** using feeler gauges
- Misalignment handled **up to 2°**
- Operates from **-40°C to +200°C**

Designed for the toughest environments, it keeps your equipment running and your team focused on what matters.

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# 80% faster bearing dismounting

Pair ROX with our MagicSleeve innovation to simplify bearing dismounting. What used to take 25 minutes now takes less than 5, with no hammer, grinder, or torch needed.



Second nut on the opposite side for smooth removal



Same wrench as for mounting



Safer, faster and easier maintenance



## Standard sleeve H3

Simple effect → Mounting



Coming soon

## MagicSleeve HD3xx

Double effect → Same mounting but 5 times faster for the dismounting



# Example of quarry results

Annual production: 300,000 tons

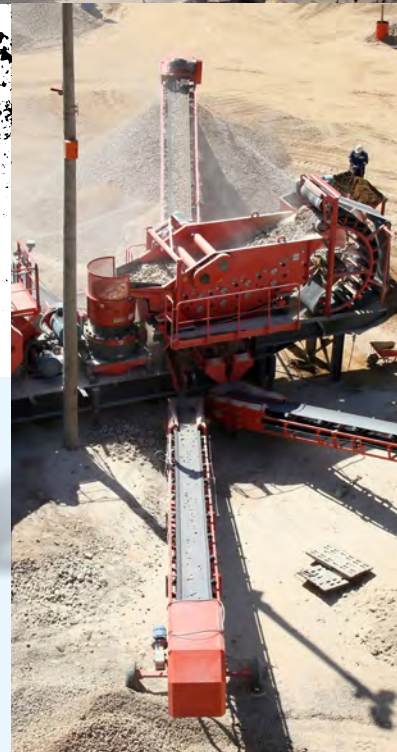
Turnover: €4.5 million/year

Value per ton: €15

Setup	Maintenance/ year	Bearings/ year	Maintenance (in hours)	Production gain (in hours)	Turnover gain (in €)
Standard	2	40	80	1,760	€4.5 million
ROX	1	20	40 (-5 days)	1,800 (+2.3%)	€4.6 million (+€100,000)
ROX + MagicSleeve	1	20	32 (-6 days)	1,808 (+2.7%)	€4.622 million (+€122,000)

## Applications

- All types of conveyors
- Quarry operations
- Cement plants
- Heavy-duty industrial environments



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# NTN

Make the world **NAMERAKA**



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