



# BEARING SOLUTIONS FOR CONVEYOR MANUFACTURERS

NBC has wide range of bearings to support Conveyor Industry. Our strong customer focus makes us a preferred choice for various applications in the conveyor industry. NBC provides long service life under the most challenging environment in conveyor applications. Bearings are used in various application such as pulleys, idlers and gearboxes in various types of conveyor systems.

With over 70 years of experience, we support our customer's right from development to commissioning and after sales service which include condition monitoring, application engineering support, bearing refurbishment and bearing analysis.

## Major Challenges

- Exposure to moisture, dust & dirt
- Vibration & impact load
- Offset loading
- Effective lubrication
- Misalignment
- Long continuous operation

## Bearings Requirements

- Enhance fatigue life
- Efficient sealing
- Control clearances
- Special grease to prevent from rust
- Bigger size ball to enhance capacity
- Prevent ball skidding under contamination conditions

## Features and Benefits

- Bearings with **high load** carrying capability to enhance fatigue life
- **Special lip seals** for moderate to extreme contamination applications.
- **Oil Impregnated bearings** with less torque, consistent lubricant supply and excellent performance in moisture and dirt. (up to 400 rpm)
- **Optimized internal design to prevent ball skidding** under contamination.
- **Lithium based grease** with rust inhibitors.
- Bearings with C3 clearances or customized clearance



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## **Bearings Applications:**

NBC bearings are used in various types of conveyor applications. The bearings are with low friction, efficient sealing and optimized clearance to shock, misalignment & harsh environment.



**PIPE  
CONVEYOR**



**BELT  
CONVEYOR**



**SCREW  
CONVEYOR**



**BUCKET  
CONVEYOR**



**IDLER  
ROLLERS**



**Deep Groove Ball Bearing**



**Spherical Roller Bearing**



**Self Aligning Ball Bearing**



**Cylindrical Roller Bearing**



**Taper Roller Bearing**



**Angular Contact Bearing**



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