

## Why SKF?

# SKF Explorer double row angular contact ball bearings



SKF Explorer double row angular contact ball bearings combine material and design innovations that can increase bearing life up to 300 %, while delivering a number of other performance benefits. Manufactured from ultra-clean steel, these bearings offer higher rotating speeds and load carrying capacity.

SKF Explorer double row angular contact ball bearings are manufactured to P6 dimensional accuracy and P6 running accuracy.

Additionally, a new crown cage and improvements to the raceway/shoulder contact area have further enhanced the performance of these bearings. Seals and shields are also available. For end users, the result is decreased need for maintenance and longer machine uptime – benefits that can result in lower costs and enhanced productivity.

### Common applications

- Pumps
- Fans and blowers
- Transmission systems
- Gears
- Material handling

### Product features

- Manufactured from ultra-clean steel
- P6 running accuracy and P6 dimensional accuracy
- High axial load carrying capacity
- Unique raceway-shoulder transition
- New crown cage
- Upgraded balls

### User benefits

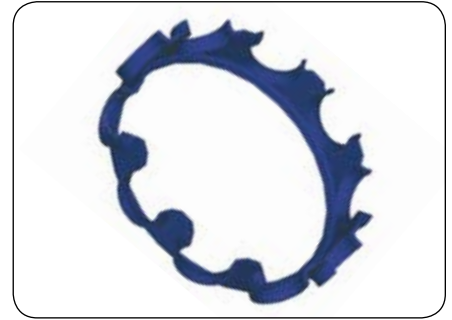
- Improved bearing service life
- Reduced lubricant consumption
- Reduced need for maintenance
- Reduced noise and vibration levels
- Reduced heat generated by the bearing
- Enhanced productivity



## Higher speeds

SKF Explorer double row angular contact ball bearings have been enhanced with a new crown cage design that provides better ball guidance, and better lubrication film formation for lower friction. This results in a higher speed rating, as well as reduced

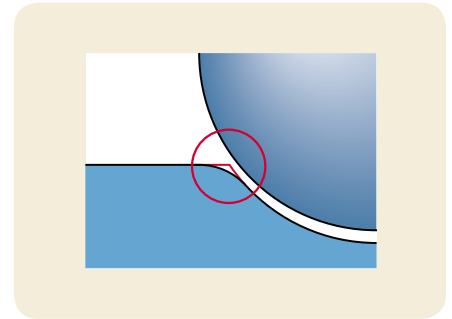
noise and vibration levels, and less heat generation – a benefit that results in reduced lubricant consumption and longer bearing service life.



## Improved raceway-shoulder transition

The ground transition between the bearing raceway and shoulder reduces contact and edge stresses, making the SKF Explorer double row angular contact ball bearings capable of carrying increased thrust loads.

This unique transition design also provides extended bearing service life and a higher safety factor.



## Unique heat treatment

Manufactured from ultra-clean steel and using an unique heat treatment process, SKF Explorer double row angular contact ball bearings offer maximum hardness for optimum wear-resistance, and dimensional

stability up to +150 °C for longer service life. Additional benefits include an increased safety factor and increased uptime.



## Improved running accuracy

SKF has upgraded the balls in SKF Explorer double row angular contact ball bearings, to improve running accuracy and reduce heat, vibrations and noise levels generated by the

bearing. The upgraded balls also contribute to decreased lubricant consumption and longer bearing service life.



An SKF Documented Solution specialist can show you the approximate return on investment (ROI) you can expect to receive by using this product in your application. Ask your SKF Authorized Distributor or SKF representative for more details.

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