

# SKF Reliability Systems



## Bearing refurbishment service

Large size or specialised bearings that have been in use can often be returned to an 'as new' condition by SKF Reliability Systems.

SKF Reliability Systems offers a specialised workshop facility for the refurbishment of large and specialised rolling bearings. This service is very appealing to end-users, when the cost of refurbishment is significantly lower than the cost of a new replacement bearing, or when the delivery time for a new bearing may be longer than that required to complete the refurbishment.

- Refurbishment work is carried out by experienced and qualified SKF Technicians.
- Bearings are cleaned using an environmentally friendly cleaning process and dewatering to prevent corrosion.
- Dismantling is undertaken using dedicated tools and equipment.
- Components are inspected and faults are noted on an inspection report to allow appropriate refurbishment actions to be defined.

- If passed by visual inspection, parts are checked for dimensional accuracy using special fixtures and gauges.
- Dimensional accuracy of the bore, outside diameter, internal clearance and ovality is checked.
- Polishing is carried out in the SKF service centre to return raceways to perfect condition.



continued overleaf...

Refurbishment services

Proactive Reliability Maintenance (PRM)

Integrated Maintenance Solutions (IMS)

Conditioning monitoring services

Maintenance services

Engineering solutions

Training courses

## Refurbishment services

Proactive Reliability  
Maintenance (PRM)

Integrated Maintenance  
Solutions (IMS)

Conditioning monitoring  
services

Maintenance services

Engineering solutions

Training courses



- In cases where raceways cannot be fully recovered by polishing, it is often possible to regrind them subject to an initial ultrasonic survey.
- When reground, bearing rings are matched with appropriately sized rolling elements to give correct internal clearance. Re-machining of the cage pockets is also made where required.
- Following re-assembly, the bearings are preserved, wrapped and packed to SKF specification to ensure correct shelf life.

The cost for bearing refurbishment depends on the degree of work required, and must be compared against the cost of a replacement new bearing. To assist you in this decision, SKF Reliability Systems prepare a detailed inspection report prior to refurbishment.

In normal circumstances, only bearings of 200mm outside diameter or greater are considered suitable for refurbishment, depending on volume and level of work required.

The SKF Bearing refurbishment service is applicable for most heavy industries, such as paper mills, steel rolling, continuous casting, mining and similar applications. This service is also applicable for inspection and recovery of unused bearings, which may have been held in stock for many years in excess of the normally recommended shelf life.

