



Remanufacture large size bearings for savings and sustainability

Benefits

- Save up to 50% of the cost of a new bearing
- Extend bearing service life by 50% or more
- Reduce CO₂ emissions by 80% versus manufacturing a new bearing
- Timely availability of large size bearings
- Improve uptime by increasing machine availability
- Enjoy a one-year warranty on components and workmanship

Typical applications

- Air preheaters
- Coal pulverizers
- Conveyors, stackers, feeders
- Transmissions
- Various pump types

SKF bearing remanufacturing services extend bearing service life by 50% – for a cost less than 50% of that of a new bearing.



For plants using equipment with large size bearings, replacing them can be an expensive proposition, both in terms of the cost and availability of new bearings, and the cost of lost production. SKF offers a much better proposition: rather than scrapping used bearings, remanufacture them to excellent condition, in far less time than all-new bearing manufacture requires.

Significant cost and CO₂ savings

SKF bearing remanufacturing services enable plants to retain more of their investment by revitalizing the materials and energy that went into manufacturing each bearing. The result? A savings of up to 50% over the cost of a new bearing, and an 80% savings in CO₂ emissions compared to the manufacture of a new bearing.

Detailed bearing analysis

Before any work begins, SKF experts inspect each bearing, determine if remanufacturing is possible, and issue a comprehensive bearing analysis report. This report can help plant maintenance proactively correct root causes for premature machine failure and extend the service life of the asset.

Bearing remanufacturing candidates

While bearings with a 250 mm (10") outer diameter and larger are generally ideal candidates for remanufacturing, SKF can also remanufacture smaller size bearings upon request.





Increase the return on your maintenance investment with SKF

The whole idea behind the SKF 360° Solution is to help you get more out of your plant machinery and equipment investment. This may mean lowering your maintenance costs, raising your productivity, or both! Here is an example of the SKF 360° Solution at work in the power generation industry.

SKF saves plant €6 400 and gets it to full load five months sooner

The problem

A 1,000 MW coal-fired power station identified six pulverizer roll wheel bearings that needed replacement before the pulverizer could return to service. Upon checking the lead-time for new bearings, the plant management discovered that the scheduled requirements could not be met.

The station's pulverizer is critical to maintaining peak power. In the absence of a spare to serve as a back-up, the pulverizer had to be brought back to its original specifications so the station could keep running without interruption until its next scheduled major outage.

The SKF solution

After completing inspection and failure analysis, SKF determined that the bearings, although damaged, could be restored. SKF was able to remanufacture the bearings in six weeks, compared to seven months of lead-time that a new bearing set required.

The results

In the end, SKF saved the plant €6 400 in bearing purchases and related costs, plus five months of potential reduced power production worth over an estimated one million euros in lost revenue.



Return On Investment (ROI) summary

Eventual purchase and installation of new bearings.....	€17 750
Cost of remanufacturing by SKF and installation.....	€11 350
Total savings.....	€6 400
 Total ROI.....	 56%

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