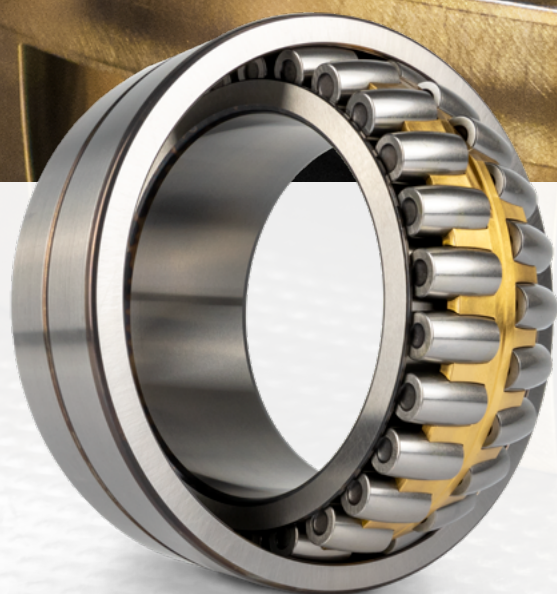


www.krw.de

KRW Leipzig

Reconditioning of roller bearings



Why is reconditioning of roller bearings beneficial?


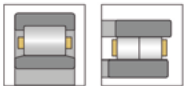
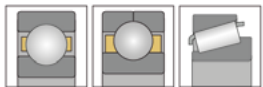
Large roller bearings, as they are used in machines for paper production, coal treatment and in heavy industry in general are high-value assets. Besides the interesting economic aspect, it becomes increasingly important that resources are preserved and used in a sustainable manner.

In the event of wear and tear it is often possible to repair a damaged bearing and return it to like-new performance instead of investing in a new one. Especially through preventive maintenance of large facilities the replacement bearings can be examined regularly and cost-effectively. Hence, they often can be reconditioned and, without downtimes, be provided to the facility in a like-new quality.

Which bearing types are eligible for a reconditioning process?

The reconditioning of demountable bearings with an open cage design is generally economically reasonable. The table gives an overview of reconditionable bearing types.

The existing pattern of damage must not go beyond imprints and cyclings of foreign particles. In bearings with starting pitting or cracks, rings often have to be replaced. The reconditioning of the bearing is then not always economically efficient.

Spherical Roller Bearings, Cylindrical Roller Bearings (open cages)	+++	
Cylindrical Roller Bearings (closed cages)	++	
Ball Bearings, Four Point Bearings, Tapered Roller Bearings	+	

The following features can be summarized:

- Expensive and material-intensive bearings
- Bearings with only little to medium damages
- Bearings with short wear intervals
- Bearings that were replaced during previous maintenance

The benefits of reconditioning at KRW are obvious.

- ✓ Savings of up to 60 % off the cost of a new bearing
- ✓ Shortage of delivery time up to 50 % compared to a new production

- ✓ All the work is carried out on our modern machinery and is subject to the same strict quality controls as our serial products.



How is the reconditioning process performed at KRW?

1. Cleaning and dismounting

The bearing is cleaned from dirt and lubricants and washed afterwards.

2. Examination

Before reconditioning, the bearing is examined and it is determined, whether or not a reconditioning process is feasible.

After a detailed examination and the decision for a reconditioning process it is assessed, which components of the bearing have to be replaced or repaired. Finally, an investigation report is compiled.

3. Reconditioning

Depending on the bearing condition three levels of remanufacturing are distinguished. The greater the wear, the higher the processing effort.

Reconditioning level I

Cleaning and polishing of all components

Reconditioning level II

Grinding of at least one raceway as well as application of new oversize rollers and polishing of the remaining

Reconditioning level III

Grinding of at least one raceway as well as application of new allowance rolling elements; exchange of single elements and polishing of the remaining elements

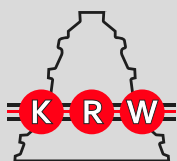
4. Check/Mounting

All components are manufactured and examined in accordance with our strict quality guidelines. After completion of the bearing a final inspection follows. All examination results are provided in a detailed report upon request.

Are you interested in further information about the application possibilities of reconditioning?

Our sales team will be pleased to serve you!

Phone: +49 341 45 320 200
E-Mail: sales@krw.de



**Kugel- und Rollenlagerwerk
Leipzig GmbH**

Gutenbergstraße 6
04178 Leipzig
Germany

Phone: +49 341 45320-200
Fax: +49 341 45320-201
E-Mail: sales@krw.de

www.krw.de