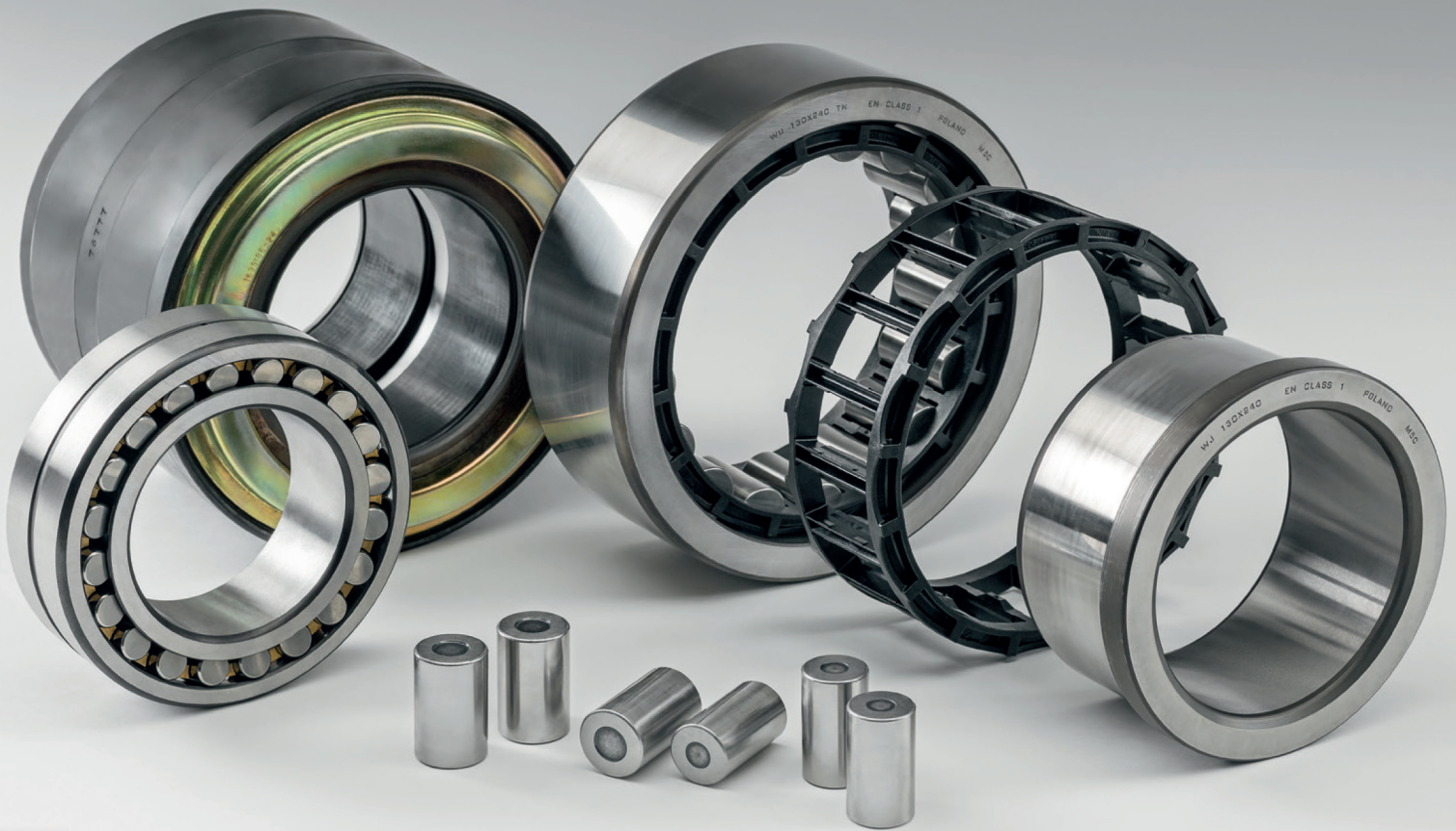


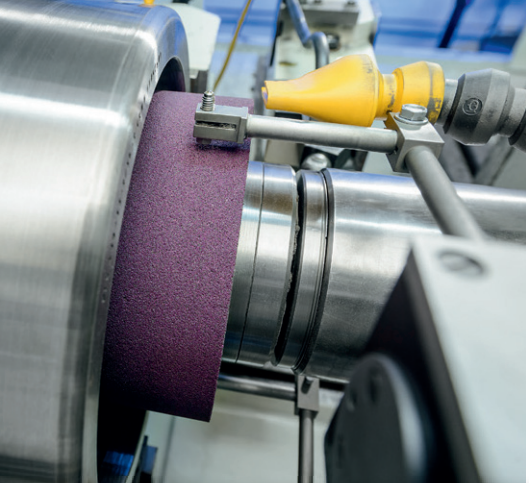


C O O P E R A T I O N



reconditioning

WE ENSURE MOTION



INSPECTION AND RECONDITIONING OF ROLLING BEARINGS

Daslager & HFG is Europe's leading maintenance specialist for wheelset bearing systems for rolling stock. We keep your rolling stock on track and ensure safety and profitability in your wheelset pool.



Daslager & HFG holds authorizations from the Deutsche Bahn AG, SBB AG, PKP Cargo S.A., VPI Hamburg and others.

We are your partner for the safe and sustainable operation of rolling bearings in your system in the areas of industrial production, conveyor technology and other applications of drive technology. We inspect and recondition the rolling bearings **before** equipment failure occurs.

OUR RANGE OF SERVICES FOR RECONDITIONING ROLLING BEARINGS

- Damage assessment and analysis
- Preventative maintenance for safe reuse
- Conversion to polyamide cages
- Complete regeneration through raceway grinding and the use of oversize rollers
- New bearings guarantee for reconditioned bearings

BEARING TYPES AND DIMENSIONS

• Cylindrical Roller Bearings:

bore sizes » 12 – 48 (60 mm – 240 mm)

Wheelset bearing types for rolling stock:

NJ/NJP 120 × 240 × 80

NJ/NJP 130 × 240 × 80

NJ/NJP 130 × 250 × 80

NJ/NJP 130 × 220 × 73

NJ/NJP 2328

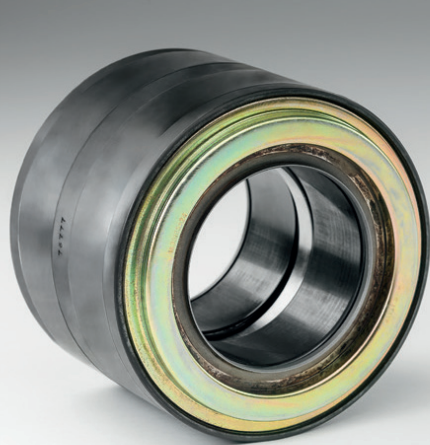


• Spherical Roller Bearings:

bore sizes » 16 – 48 (80 mm – 240 mm)

Please ask us about our services for other types of bearings!





We are able to check the conditions of bearings and do reconditioning without distinction of brand like "FAG,SKF,TIMKEN etc."

RECONDITIONING OF TAPERED ROLLER BEARINGS

Through professional inspection of the wheelset bearings and proper operation, hot boxes and bearing defects can be avoided. Often minor damage has a big impact – we look up close and check the raceway and each rolling element of the bearing out of principle. This way we can spot damage in the early stages.

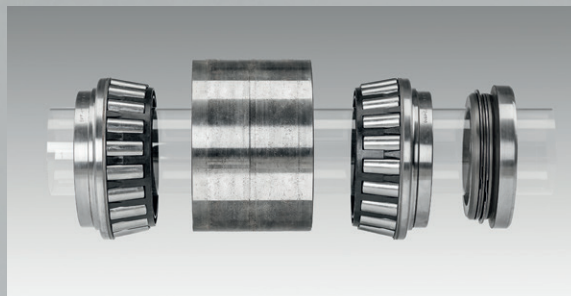
OUR RANGE OF SERVICES FOR RECONDITIONING TAPERED ROLLER BEARINGS

- Disassembly and cleaning
- Dimensional check and adjustment of axial play
- Inspection of raceway, rolling elements and cages
- Refresh lubrication
- Replacement of sealing elements

BEARING TYPES AND DIMENSIONS

- Tarol/TBU.....90 × 154 × 106
- Tarol/TBU.....100 × 175 × 120
- Tarol/TBU.....130 × 220 × 150
- Tarol/TBU.....130 × 230 × 160
- Tarol/TBU/CTBU.....130 × 240 × 160

Please ask us about our services for other types of bearings!



RECONDITIONING OF WHEELSET BEARING BOXES

In addition to the roller bearings, the wheelset bearing box plays a key role as a connecting element between the rotating and non-rotating car components. For wheelset bearing boxes, Daslager & HFG assumes all common operating checks and repair work on the basis of relevant maintenance regulations such as VPI 04 or other operator guidelines.

Daslager & HFG has VPI certification for wheelset maintenance level "IL". Upon request, the housings are delivered already fitted with bearings and lubricated. You can add the finished bearing units to your wheelsets just-in-sequence.



OUR RANGE OF SERVICES FOR WHEELSET BEARING BOXES (TYPES Y25/UIC)

- Inspection of roller bearings (if appropriate reconditioning)
- Cleaning of housing, coloring
- Measurement of all relevant interior and exterior dimensions
- Execution of necessary welding work (including manganese)
- Fitting with roller bearings and lubrication
- Mounting of sealing materials
- Documentation and data transfer



ROLLING BEARINGS AND COMPONENTS

Despite advanced reconditioning technologies and the use of materials of the highest quality, bearings have a limited life span. It's good to have a suitable replacement available in case of an emergency. We use an international network of renowned manufacturers for our range of standard bearings in order to supply you at any time and at competitive prices.

WE KNOW WHAT IT TAKES

Due to the high demands on the materials, many rolling bearing components are developed by Daslager & HFG engineers and manufactured by us or in collaboration with renowned partners.

- Rolling elements (cylindrical rollers, spherical rollers, tapered rollers)
- Polyamide cages
- Outer and inner rings



APPLICATION EXPRIENCE + PRODUCTION KNOW-HOW=ROLLING BEARINGS MADE BY DASLAGER GERMANY & HFG

Our experienced rolling bearing experts design standard and special bearings with consideration to your individual performance requirements. Configuration, design, mounting of the bearings and the final inspection is in our hands; the individual components are made by us or obtained from long-time European and world-wide partners. **Please contact us!**

GRINDING OF ROLLING BEARINGS

Every application has its own challenges, but there isn't always a standard catalogue solution. If you have the right bearing, but not the right bearing clearance we can provide cost-effective and flexible help, even for small quantities. We will gladly provide you with an individual offer.



OUR RANGE OF SERVICES FOR RADIAL GRINDING

BEARING TYPES AND DIMENSIONS

- **Cylindrical Roller Bearings:**
bore sizes » 12 – 48 (60 mm – 240 mm)
- **Spherical Roller Bearings:**
bore sizes » 16 – 48 (80 mm – 240 mm)



LASER MARKING AND SERIALIZATION

Follow the operating conditions and the life-cycle of your rolling bearings, and keep track of the maintenance and repair for each bearing. This way you have total control and can prove warranty or guarantee claims in the event of damage.



Daslager & HFG supplies you with comprehensive solutions for marking your components. Whether alphanumerical number code, barcode, or describable data matrix fields – using our high-performance direct laser marking we can meet your requirements.

Of course we can apply other direct markings to your product following your specifications. Whether individual pieces or series, our modern laser workspaces are available for your needs. We will gladly provide you with an individual offer for contract production.

OUR RANGE OF SERVICES FOR COMPONENT MARKING

- Permanent laser marking of your components
- Verification of labeling including test report
- Selection of suitable data standards for serialization
- Consulting for data management
- Other direct marking work with laser as contract production

Please contact us!

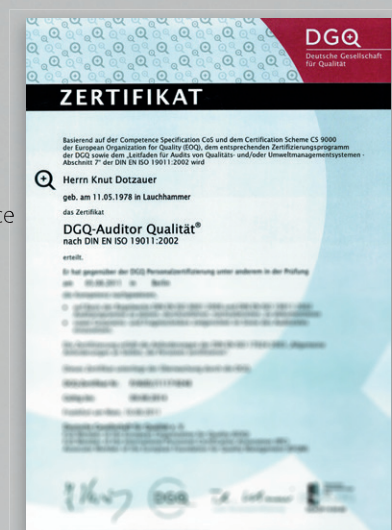
TRAINING AND CONSULTING

KNOWLEDGE TRANSFER – TAKE ADVANTAGE OF OUR EXPERIENCE

We provide you and your employees with more certainty in daily assessments of rolling bearings – profit from Daslager & HFG's long-standing experience in assessment and analysis of typical and not so ordinary damage patterns.

CERTIFICATION? WE'LL PREPARE YOU.

Qualified Daslager & HFG auditors gladly assist you in matters about process reliability: Both internal audits as part of existing QM systems as well as preparation for upcoming certifications in the areas of quality, environment, work safety and ECM (railway sector) are our strengths. Here again, you profit from our experience.



OUR RANGE OF SERVICES IN TRAINING AND CONSULTING

- Training in the areas of rolling bearings damage and rolling bearings assessment
- Occupational health and safety management in accordance with OHSAS 18001, SCC
- Consulting, certification preparation and auditing in the areas of quality and environmental management: DIN EN ISO 9,000 ff, DIN EN ISO 14,000 ff, ECM, VPI (railway sector)



HFG COMPANY PROFILE DASLAGER



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