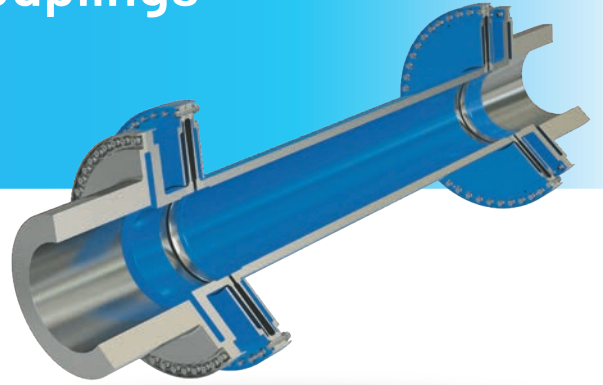


RELY ON EXCELLENCE

Service and maintenance for EagleBurgmann diaphragm couplings

Qualified, fast, and reliable.

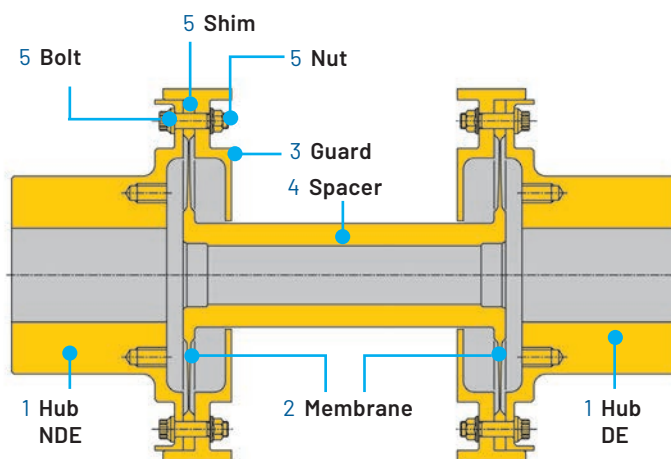


To ensure the long-term reliability and operational safety of your EagleBurgmann diaphragm coupling, regular maintenance is essential. This should be carried out every 24,000 operating hours or every five calendar years, whichever is sooner. Failure to follow the maintenance instructions in the operating manual may result in damage and reduced equipment availability.

The EagleBurgmann diaphragm coupling features a contoured diaphragm and has no moving parts subject to wear. As a result, when operated within the permissible misalignment limits, it achieves an exceptionally long service life.

However, applying high overload torques or exceeding the permissible misalignment limits may result in permanent damage. Improper handling, such as scratching or denting the profile area, can significantly reduce the service life. This type of damage is usually visible upon inspection.

For this reason, the EagleBurgmann diaphragm coupling should be inspected during major plant overhauls and other scheduled shutdowns.



Scope of maintenance

The following tasks are carried out as part of the maintenance process:

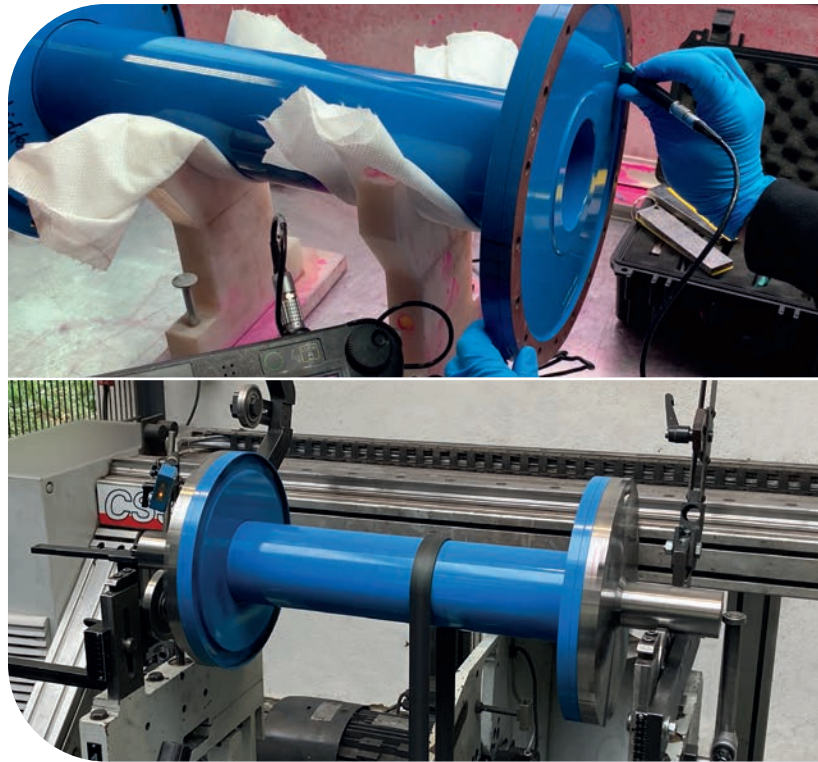
- Visual inspection and condition assessment (Items 1-5)
- Disassembly and cleaning (Items 1-5)
- Verification of bore fit dimensions (Item 5)
- Crack inspection of the diaphragm unit and weld seams (Item 2)
- Balance check and - if required - balance correction (Items DE + 1 NDE and 4)
- Replacement of bolts, nuts, and spacer shims, as needed (Item 5)
- Touch up or complete repaint, as needed
- Service report containing detailed documentation of all findings and actions taken

The EagleBurgmann Rhine/Main Service Center in Frankenthal is centrally located in Germany. It has highly qualified personnel and the necessary technical equipment to quickly, reliably, and professionally carry out all recommended service and repair work.

Inspection

At our Rhine/Main Service Center, an inspection of the diaphragm coupling includes a comprehensive and professional assessment, as well as the performance of all necessary work. This includes:

- **Inspection of the membrane units** for paint damage, cracks, blisters, discoloration, and scratches or dents in the contoured profile area.
- **Inspection of all screw bolts** for excessive scratches on the shank bodies.
- **Inspection of all nuts and bolts** for signs of wear on the threads.
- **Inspect the screw holes** in diaphragms and coupling hubs for severe scoring or potential slotting.



Replacements

If the inspection reveals significant paint chipping, cracking, blistering, discoloration or mechanical damage to the membrane profile, the part is typically **replaced with an original spare part**. For electrically insulated couplings, cracked insulating washers and sleeves are replaced.

Both non-destructive testing (NDT) using the eddy-current method and balancing check and rebalancing are performed by certified partners using state-of-the-art measurement and balancing technologies. These methods ensure the diaphragm coupling functions with absolute precision, guaranteeing maximum operational reliability.

Your contact for maintenance and inspection of your diaphragm coupling

Service Center Germany

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EagleBurgmann – Leading Innovation in Sustainable Sealing Solutions

We are your leading international specialist in industrial sealing technology. We combine innovative technologies, digital solutions and our passion and enthusiasm to create sophisticated and reliable sealing systems. Our products help make entire industries safer and more sustainable. 6,000 employees create added value for our customers around the world with their enthusiasm and competence. EagleBurgmann is a joint venture between the German Freudenberg Group and the Japanese Eagle Industry Group.

Rely on excellence.

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