

## Bearings and Journals Inspection

**A detailed inspection and complete refurbishing of bearings and journals ensure optimal performance and longer service life.**

Each roll that arrives at a Stowe Woodward plant for mechanical services is subjected to the most stringent inspection procedures.

Stowe Woodward inspects bearings and journals with the latest technology. Housings are checked for correct dimensions. (All parts are match-marked prior to disassembly.)



### Service Locations

Concord, NH  
Tel: 603-224-6300

Griffin, GA  
Tel: 770-227-8000

Kelso, WA  
Tel: 360-636-0330

Middletown, VA  
Tel: 540-869-4000

Neenah, WI  
Tel: 920-729-7000

North Bay, Ont.  
Tel: 705-476-4900

Ruston, LA  
Tel: 318-255-2000



Contact your Stowe Woodward Application and Sales Engineer for more information or visit [www.stowewoodward.com](http://www.stowewoodward.com).

### Mechanical Services

### Benefits Produced

#### Housings

Parts are match-marked prior to disassembly.  
I.D. checked for correct dimensions and shape.  
Seals inspected for integrity.  
Inspected for proper lubrication of bearing.  
Housing exteriors are grit blasted to remove scale and rust.  
Spray paint housings with primer and epoxy paint.  
Reassemble with stainless steel hardware.

#### Bearings

Thoroughly cleaned.  
Inspected for wear, corrosion, pitting or other defects.  
Bearing condition analyzed for abnormal operating conditions.

#### Journals

Tending and drive side journals checked in four different planes for size and shape and compared with manufacturer's/OEM specifications.  
Contact area inspected. If suspect, checked in 8 different areas on the journal.

### Services Performed

#### Detailed Inspection

- Identify problem areas and recommend corrective action.

#### Repair and Reconditioning

- Correct worn or damaged areas to return roll to optimal performance.

#### Parts Fabrication

- Produce new parts necessary to return roll to peak efficiency.

#### Detailed Reporting

- Each roll is thoroughly inspected and a detailed report is written outlining the reconditioning procedures necessary to return the roll to optimal performance:
  - General condition of the journals, housing and roll.
  - Dimensions of journals (diameters) and housing.
  - Bearing specifications, condition and surface contact.

Capabilities: Electroplating, arc spray, machining, parts manufacturing, re-journal, engineering, balancing, NDT, new roll manufacturing.

