

# WAGE GRADE CAREER PATH

**WG 4850**

## BEARING RECONDITIONER/WORKER

This occupation covers nonsupervisory work involved in cleaning, examining, repairing, gauging, rebuilding, lubricating, and preserving and packaging various types of used and new antifriction bearings (e.g., engine and instrument bearings) which are used in aircraft, ships, ground vehicles and equipment, and mechanical/electrical instruments.

**WG02 - Step**

### Part 1

**WG05** **Apprentice/Helper/Trainee; Trade/Less than Journeyman**

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|--|---|---|
|  | 1 | Complete New Hire Orientation                                     |
|  | 2 | Complete Civilian Training Plan requirements for current position |
|  | 3 | Complete task qualifications for current position                 |
|  | 4 | Complete task certifications for current position                 |
|  | 5 | Master simple to common work tasks under supervision              |
|  | 6 | Maintain successful to above average performance ratings          |

**WG05 -**

### Part 2

**WG08** **Trade/Less than Journeyman**

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|--|---|---|
|  | 1 | Continue required on-the-job and formal classroom training required in Civilian Training Plan |
|  | 2 | Complete task qualifications for current position   |
|  | 3 | Complete task certifications for current position   |
|  | 4 | Master common to complex work tasks.  |

Grade 5 bearing workers follow established procedures in the performance of routine tasks involved in the screening, identifying, annotating, cleaning, buffing and polishing, lubricating, preserving, and packaging a variety of new and used bearings. There may be occasional requirements, in a developmental capacity, to assist in the visual, auditory, tactile, and nondestructive examination of new and used bearings.

Grade 7 bearing workers rebuild bearings from matched salvageable parts and perform detailed visual, tactile, and auditory examinations on processed (assembled and disassembled) bearings to determine the extent of rework and/or condition that may warrant additional processing or rejection (e.g., bearings with surface imperfections such as superficial scratches or rust on active surfaces are forwarded for buffing and polishing for possible correction). Bearings are rotated by hand and/or spin tested on electric/electronic equipment to examine for inconsistent noises, vibrations, roughness, or drag. Visual examinations of bearings are supplemented through the use of radius scribes to evaluate surface defects and nondestructive examining procedures (i.e., magnetic particle and fluorescent penetrant) on bearings suspected of containing defects or as required.

Grade 8 bearing reconditioners perform detailed dimensional examinations and operational tests on individual bearings and bearing components. They set up, calibrate, and operate a variety of precision measuring and testing devices based on optical, mechanical, electronic, electro-mechanical, laser, pneumatic, and magnetic principles. Bearing reconditioners determine the acceptability of bearings for initial use or continued service by comparing actual dimensions, tolerances, quality characteristics, and test results to technical specifications. They rebuild bearings by gauging and selecting compatible inner and outer races, cages, and rolling elements from new or salvageable materials

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|  | 5 | Maintain successful to above average performance ratings |
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*This list is not all inclusive. For more information on your series, visit the OPM site below. Copy and paste the link in your browser.*  
[OPM Classification Standards](#)