

## ARP ARP 200-8534

# ARP 2008534 Special Purpose Washers User Manual

Model: ARP 200-8534

## INTRODUCTION

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This manual provides essential information for the proper use, installation, and maintenance of ARP 2008534 Special Purpose Washers. These washers are designed for high-performance applications, constructed from premium chrome moly and are parallel-ground, hardened, and finished in black oxide. Each package contains 10 washers, each with a 1/2" inside diameter, 7/8" outside diameter, and a .120" thickness.

## PRODUCT OVERVIEW

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Figure 1: A set of ten ARP 2008534 Special Purpose Washers. These washers are black, flat, and designed for specific high-performance applications, featuring a 1/2-inch inner diameter and 7/8-inch outer diameter.

The ARP 2008534 washers are engineered for durability and precision. Key features include:

- **Material:** Premium chrome moly.
- **Finish:** Black oxide for corrosion resistance.
- **Precision:** Parallel-ground and hardened for consistent performance.
- **Dimensions:** 1/2" Inside Diameter, 7/8" Outside Diameter, .120" Thickness.
- **Quantity:** Supplied in packs of 10.

## SETUP AND PREPARATION

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Before installation, ensure the mating surfaces are clean and free from debris, rust, or old gasket material. Inspect each washer for any manufacturing defects or damage that may have occurred during shipping or storage. A clean and flat surface is crucial for proper seating and function of the washer.

- **Inspection:** Visually check each washer for flatness, burrs, or any signs of damage.
- **Cleaning:** If necessary, clean the washers and mating surfaces with a suitable degreaser and wipe dry.
- **Compatibility:** Verify that the washer's inside diameter matches the bolt or stud diameter and that the outside diameter fits within the application's space constraints.

## OPERATING (INSTALLATION)

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These washers are designed to distribute the load of a threaded fastener, such as a screw or nut, evenly over the surface of the material being fastened. This helps prevent damage to the surface and ensures a more secure connection.

1. **Placement:** Place the washer directly under the head of the bolt or under the nut, ensuring it sits flat against the component surface.
2. **Alignment:** Ensure the washer is centered around the bolt or stud.
3. **Torque:** Apply the recommended torque specifications for your specific application. Over-tightening can deform the washer or the mating surface, while under-tightening can lead to loosening. Consult your equipment's service manual for correct torque values.
4. **Re-use:** While ARP washers are high-quality, it is generally recommended to replace washers in critical applications, especially if they show signs of deformation or wear, to ensure optimal performance and safety.

## MAINTENANCE

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Proper maintenance ensures the longevity and performance of the washers and the components they secure.

- **Storage:** Store unused washers in a clean, dry environment to prevent corrosion. Keep them in their original packaging or a sealed container.
- **Periodic Inspection:** During routine maintenance of your equipment, inspect installed washers for signs of wear, corrosion, cracking, or deformation.
- **Replacement:** Replace any washer that shows signs of damage or excessive wear. Do not attempt to straighten or re-use deformed washers.

## TROUBLESHOOTING

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While washers are simple components, issues can arise from improper installation or material fatigue.

Problem	Possible Cause	Solution
Washer deformation/cracking	Over-torquing, incorrect washer size for application, material fatigue.	Ensure correct torque is applied. Verify washer dimensions match application requirements. Replace with a new washer.
Fastener loosening	Under-torquing, improper surface preparation, washer not seated correctly.	Re-torque to specifications. Clean mating surfaces. Ensure washer is flat and centered. Consider using thread locker if appropriate for the application.
Corrosion on washer	Exposure to moisture or harsh chemicals, improper storage.	Replace corroded washers. Store in a dry, protected environment. Ensure proper sealing in application if exposed to elements.

## SPECIFICATIONS

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Detailed technical specifications for the ARP 2008534 Special Purpose Washers:

Specification	Value
Brand	ARP
Model	ARP 200-8534
Number of Pieces	10
Inside Diameter	1/2" (0.5 Inches)
Outside Diameter	7/8" (0.88 Inches)
Item Thickness	0.120" (0.12 Inches)
Washer Type	Flat
Metal Type	Alloy Steel, Carbon Steel (Chrome Moly)
Exterior Finish	Painted (Black Oxide)
Item Weight	2.82 ounces
UPC	672036006587
Manufacturer	ARP
Date First Available	November 23, 2005

## WARRANTY INFORMATION

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Warranty information for the ARP 2008534 Special Purpose Washers is not provided in this manual. Please refer to the manufacturer's official website or contact their customer service for details regarding product warranty.

## SUPPORT

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For technical assistance or further inquiries regarding the ARP 2008534 Special Purpose Washers, please visit the official ARP website or contact their customer support. Specific contact details are not provided in this manual.