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Hornady A3030

Hornady Lock-N-Load 30-30 Win Modified Case Instruction Manual

Model: A3030

INTRODUCTION

The Hornady Lock-N-Load Modified Case is a precision reloading tool designed to assist in achieving precise bullet seating depth for your firearm. This specially prepared brass case is threaded at the case-head and features a .002" oversized neck. It is intended for use with the Hornady Lock-N-Load O.A.L. Gauge (sold separately) to accurately measure your firearm's chamber dimensions and determine optimal bullet seating depth.



A close-up view of the Hornady Lock-N-Load 30-30 Win Modified Case, showing its brass construction and threaded base for attachment to an O.A.L. Gauge.

SETUP

To set up your Hornady Lock-N-Load Modified Case for use, follow these steps:

1. **Acquire the O.A.L. Gauge:** Ensure you have the Hornady Lock-N-Load O.A.L. Gauge. This modified case is designed to work specifically with this gauge.
2. **Thread the Case:** Carefully thread the modified case onto the O.A.L. Gauge. The fine thread ensures a perfectly square and precise alignment for accurate measurements within your firearm's chamber.
3. **Insert Bullet:** The .002" oversized neck of the modified case is designed to securely hold the same bullet you intend to load. Insert your chosen bullet into the case neck.
4. **Prepare Firearm:** Ensure your firearm is unloaded and safe. Remove the bolt from your rifle.

OPERATING INSTRUCTIONS

Using the Hornady Lock-N-Load Modified Case with the O.A.L. Gauge allows for precise measurement of your rifle's chamber and bullet seating depth. This process is crucial for optimizing accuracy in your handloads.

1. **Insert into Chamber:** With the bullet inserted into the modified case and attached to the O.A.L. Gauge, carefully insert the assembly into the chamber of your rifle.
2. **Seat the Bullet:** Gently push the bullet forward until it contacts the rifling lands. The O.A.L. Gauge will provide a precise reading of this measurement.
3. **Record Measurement:** Lock the O.A.L. Gauge and remove the assembly from the chamber. Record the measurement. This represents the maximum overall length (O.A.L.) for your specific bullet and chamber.
4. **Determine Seating Depth:** Subtract a desired amount (e.g., .010" to .020") from this maximum O.A.L. to determine your optimal bullet seating depth, ensuring the bullet is off the lands for safe and accurate reloading.

This method provides highly accurate dimensions, typically within .001", which is superior to methods using simulated bullets.

MAINTENANCE

Proper maintenance of your Hornady Lock-N-Load Modified Case will ensure its longevity and continued accuracy:

- **Cleaning:** After each use, wipe down the modified case with a clean, dry cloth to remove any residue or fingerprints.
- **Storage:** Store the modified case in a dry environment, preferably in its original packaging or a dedicated storage container, to prevent oxidation and damage.
- **Inspection:** Periodically inspect the threads and the neck of the case for any signs of wear, damage, or deformation. Ensure the neck remains .002" oversized to properly hold bullets.
- **Avoid Abrasives:** Do not use abrasive cleaners or tools on the case, as this can alter its dimensions and affect accuracy.

TROUBLESHOOTING

If you encounter issues while using your Hornady Lock-N-Load Modified Case, consider the following:

- **Difficulty Threading onto O.A.L. Gauge:**
 - Ensure the threads on both the modified case and the O.A.L. Gauge are clean and free of debris.
 - Verify you are using the correct O.A.L. Gauge for the modified case.
 - Apply a small amount of dry lubricant (e.g., graphite) to the threads if resistance persists.
- **Bullet Not Holding Securely in Neck:**
 - Confirm you are using the correct caliber bullet for the modified case.

- Inspect the case neck for any damage or excessive wear. While designed to be .002" oversized, repeated use or improper handling could affect its tension.

• **Inconsistent Measurements:**

- Ensure the O.A.L. Gauge is properly locked before removing it from the chamber.
- Verify that the bullet is fully seated against the rifling lands without excessive force.
- Check for any play or looseness in the O.A.L. Gauge mechanism itself.
- Ensure the firearm's chamber is clean and free of carbon buildup or obstructions.

SPECIFICATIONS

Model Name	A Series Modified Case
Part Number	A3030
Brand	Hornady
Material	Brass
Color	30-30 WIN
Item Weight	0.01 Ounces
Package Weight	0.05 Pounds
Item Package Dimensions (L x W x H)	2.9 x 0.6 x 0.4 inches
Manufactured to	SAAMI Specifications
Country of Origin	USA

WARRANTY INFORMATION

This Hornady product is covered by a **No-Risk, Lifetime Warranty**. For specific details regarding warranty claims and coverage, please refer to the official Hornady website or contact their customer support.

SUPPORT

For additional assistance, technical support, or to inquire about other Hornady products, please visit the official Hornady website or contact their customer service department. Contact information can typically be found on the product packaging or the brand's official website.

Hornady Official Website: www.hornady.com

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This manual is for informational purposes only. Always follow safe reloading practices.

Related Documents - A3030



Hornady Lock-N-Load Power Case Prep Center Owner's Manual

Comprehensive owner's manual for the Hornady Lock-N-Load Power Case Prep Center. Includes product description, safety precautions, operating instructions, parts list, exploded view, and warranty information.



Hornady High Speed 3-in-1 Power Case Trimmer Instructions and Guide

Comprehensive instructions and specifications for the Hornady High Speed 3-in-1 Power Case Trimmer (Item No. 050190), covering setup, operation, parts, and warranty.



Hornady Lock-N-Load Iron Press Owner's Manual and Instructions

Official owner's manual for the Hornady Lock-N-Load Iron Press (Item No. 085520). This guide provides detailed instructions on setup, operation, parts lists, exploded views, warranty information, and how to use the Lock-N-Load system for efficient reloading. Includes information on the Auto Primer Feeder and die bushings.

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Hornady Sonic Cleaner Materials Cleaning Guide

A comprehensive guide to cleaning various materials using Hornady's sonic cleaners and solutions, detailing recommended heat, duration, and cleaning agents for optimal results and material preservation.



Hornady Cam-Lock Trimmer Instructions and Warranty Information

Detailed instructions for assembling, adjusting, and operating the Hornady Cam-Lock Trimmer. Includes a parts list, pilot compatibility chart, and warranty information.



[Hornady M2 Digital Bench Scale Instructions and Troubleshooting](#)

Comprehensive guide for the Hornady M2 Digital Bench Scale, covering setup, operation, troubleshooting, calibration, and warranty information. Features include a 1500 grain capacity, 0.1 grain accuracy, and a backlit display.