

Manuals+

[Q & A](#) | [Deep Search](#) | [Upload](#)

[manuals.plus](#) /

› [Bushnell](#) /

› [Bushnell Professional Optical Bore Sight Kit Model 743333 User Manual](#)

Bushnell 743333

Bushnell Professional Optical Bore Sight Kit Model 743333 User Manual

Brand: Bushnell | Model: 743333

INTRODUCTION

The Bushnell Professional Optical Bore Sight Kit is a compact and essential tool designed for accurately sighting in firearms. This kit features a graduated grid sighting reticle and three expandable arbors, covering a wide range of calibers from .22 to .45. It provides a reliable method for initial scope alignment, saving time and ammunition at the range. Each graduation on the reticle is equivalent to 4 inches at 100 yards, allowing for precise adjustments. Constructed with quality materials, this bore sighter is built for durability and consistent performance. The kit is housed in a durable carry case for convenient storage and transport.

PACKAGE CONTENTS

- Bushnell Professional Optical Bore Sighter
- Three Expandable Arbors (covering .22 - .45 caliber)
- Durable Carry Case



Image: The Bushnell Professional Optical Bore Sight Kit, showing the main bore sighter unit, various expandable arbors, and the protective carry case.

SETUP INSTRUCTIONS

1. **Ensure Firearm Safety:** Always ensure the firearm is unloaded and pointed in a safe direction before beginning any work. Remove the bolt or open the action as required for your specific firearm.
2. **Select the Correct Arbor:** Identify the appropriate expandable arbor for your firearm's caliber. The kit includes arbors to fit calibers from .22 to .45. The arbors are typically marked with their compatible caliber ranges.
3. **Attach the Arbor:** Securely attach the selected arbor to the front of the bore sighter unit. Ensure it is firmly seated and stable.
4. **Insert into Barrel:** Carefully insert the bore sighter, with the attached arbor, into the muzzle end of the firearm's barrel. The arbor should fit snugly within the barrel. Do not force it.
5. **Stabilize the Firearm:** Place the firearm on a stable rest or vise to prevent movement during the sighting process.

OPERATING INSTRUCTIONS

- View Through the Scope:** Look through the firearm's scope. You should see the bore sighter's graduated grid reticle.
- Align the Reticle:** Adjust your scope's windage and elevation turrets to align the center of your scope's reticle with the center of the bore sighter's graduated grid.
- Understand Graduations:** Each square or graduation on the bore sighter's grid represents 4 inches of adjustment at 100 yards. Use this information to make precise initial adjustments. For example, if your point of impact is expected to be 8 inches high at 100 yards, you would adjust your scope to be two graduations high on the bore sighter's grid.
- Initial Zeroing:** This process provides a preliminary zero. Fine-tuning will be required at a shooting range with live ammunition. The goal is to get "on paper" quickly and efficiently.
- Remove Bore Sighter:** Once initial adjustments are made, carefully remove the bore sighter from the barrel.

Note: The bore sighter is an optical tool and does not emit a laser. Its function is to provide a visual reference point through the barrel for scope alignment.

MAINTENANCE

- Cleaning:** After each use, gently wipe the bore sighter's optical lens with a clean, soft, lint-free cloth. Use a lens cleaning solution if necessary. Avoid abrasive materials that could scratch the lens.
- Arbor Care:** Clean the expandable arbors with a soft cloth to remove any residue. Ensure they are dry before storage.
- Storage:** Store the bore sighter and all its components in the provided carry case in a cool, dry place, away from direct sunlight and extreme temperatures.
- Inspection:** Periodically inspect the bore sighter and arbors for any signs of damage or wear. Ensure all parts are functioning correctly.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Reticle appears blurry or unclear.	Dirty lens or improper focus on the scope.	Clean the bore sighter lens. Ensure your scope's parallax and diopter settings are correctly adjusted for your eye.
Arbor does not fit snugly in the barrel.	Incorrect arbor size selected.	Verify the firearm's caliber and select the corresponding arbor. Ensure the arbor is fully expanded if it is an adjustable type.
Sighting results are inconsistent.	Firearm movement during sighting or damaged bore sighter.	Ensure the firearm is completely stable. Inspect the bore sighter for any physical damage.

SPECIFICATIONS

- Model Number:** 743333
- Product Dimensions:** 15.24 x 10.16 x 7.62 cm
- Item Weight:** 453.59 g (approx. 1 lb)
- Caliber Coverage:** .22 - .45 (via three expandable arbors)

- **Reticle:** Graduated grid, 4 inches at 100 yards per graduation
- **Material:** Blend (likely metal and durable plastic)
- **Compatible with:** Handgun, Rifle, Shotgun (with appropriate arbors)
- **Included Components:** Bore sighter, three expandable arbors, carry case

WARRANTY INFORMATION

This Bushnell Professional Optical Bore Sight Kit comes with a **Limited Lifetime Warranty**. For specific terms, conditions, and to register your product, please refer to the official Bushnell website or contact their customer service department. Keep your proof of purchase for warranty claims.

CUSTOMER SUPPORT

Should you require assistance, have questions about your product, or need to initiate a warranty claim, please contact Bushnell customer support. You can typically find contact information, including phone numbers and email addresses, on the official Bushnell website. Please have your product model number (743333) and proof of purchase ready when contacting support.

