Milton 1460

Milton 1460 Large Bore Adapter User Manual

Model: 1460

1. Introduction

This manual provides essential information for the proper installation, operation, and maintenance of the Milton 1460 Large Bore Adapter. This adapter is designed to reduce large bore valve stems to a standard bore size, facilitating compatibility with standard tire inflation and pressure measurement tools. It is supplied in a pack of 40 units.

2. Safety Information

Please read and understand all safety instructions before using this product. Failure to follow these instructions may result in property damage or personal injury.

- Always wear appropriate personal protective equipment (PPE), such as safety glasses, when working with tire valves and compressed air systems.
- Ensure the tire is completely deflated before attempting to install or remove any valve components.
- Do not overtighten the adapter, as this may damage the valve stem or the adapter itself. Refer to manufacturer's torque specifications if available.
- Verify the correct thread type and size (TR-AD1, 0.325-32 or 0.305-32) before installation to ensure proper fit and seal.
- Keep out of reach of children.
- This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. Wash hands after handling.

3. Product Overview

The Milton 1460 Large Bore Adapter is a brass component designed to convert large bore tire valve stems to a standard bore. Each adapter includes a gasket to ensure an airtight seal upon installation.

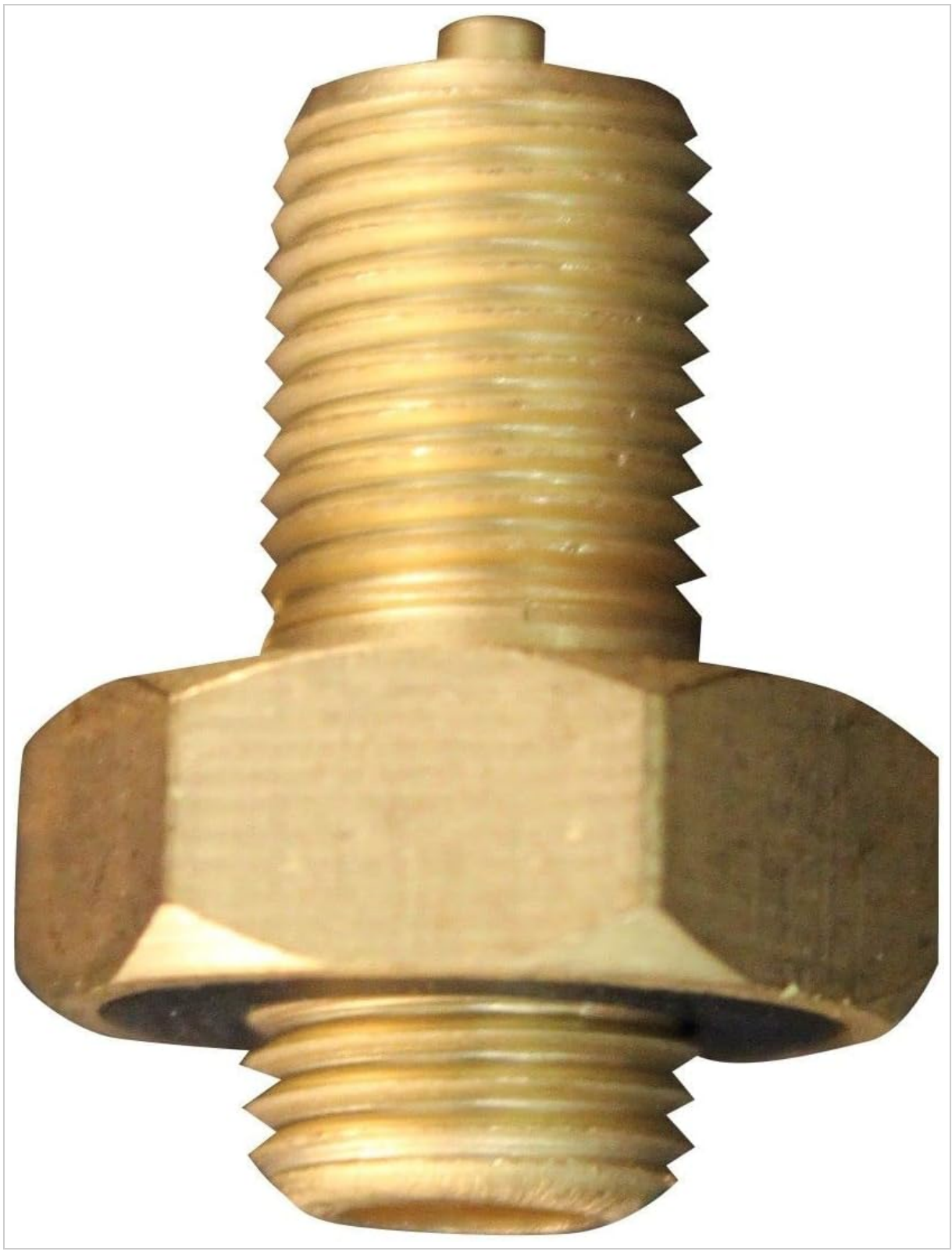


Figure 1: Milton 1460 Large Bore Adapter. This image shows a single brass adapter with external threading on both ends and a hexagonal section in the middle for wrench application. The top end features a small protrusion, indicating the valve core mechanism.

4. Specifications

Attribute	Detail
Model Number	1460

Attribute	Detail
Manufacturer	Milton
Thread Type	TR-AD1 (0.325-32 or 0.305-32)
Material	Brass
Includes	Gasket
Item Weight	Approximately 1 pound (for 40 pcs)
Package Quantity	40 pieces

5. Setup and Installation

Follow these steps to properly install the Milton 1460 Large Bore Adapter:

1. **Prepare the Valve Stem:** Ensure the large bore valve stem is clean and free of debris. Confirm the tire is fully deflated.
2. **Inspect the Adapter:** Check the Milton 1460 adapter and its integrated gasket for any damage or defects. Do not use if damaged.
3. **Thread Engagement:** Carefully align the adapter with the large bore valve stem. Begin threading the adapter onto the valve stem by hand, ensuring it engages smoothly without cross-threading.
4. **Tighten the Adapter:** Once hand-tight, use an appropriate wrench on the hexagonal section of the adapter to tighten it securely. Do not overtighten. The gasket should compress to form an airtight seal.
5. **Inflate and Check for Leaks:** Inflate the tire to the recommended pressure. Apply a soapy water solution around the adapter and valve stem connection to check for any air leaks. Bubbles indicate a leak, requiring further tightening or re-installation.

6. Operating Instructions

Once the Milton 1460 Large Bore Adapter is securely installed, the large bore valve stem will function as a standard bore valve stem. You can now use standard tire gauges, air chucks, and inflation equipment to check tire pressure and inflate tires.

- To check pressure: Press a standard tire pressure gauge firmly onto the adapter's valve stem.
- To inflate: Connect a standard air chuck to the adapter's valve stem and supply compressed air.
- Always replace the valve cap after checking pressure or inflating to protect the valve core from dirt and moisture.

7. Maintenance

The Milton 1460 Large Bore Adapter requires minimal maintenance. Regular inspection is recommended to ensure optimal performance and safety.

- **Periodic Inspection:** Regularly inspect the adapter for signs of wear, corrosion, or damage. Check for any air leaks using a soapy water solution.

- **Cleaning:** If necessary, clean the adapter with a soft cloth to remove dirt or grime. Avoid using harsh chemicals that may damage the brass or gasket.
- **Gasket Integrity:** The integrated gasket is crucial for an airtight seal. If the gasket appears cracked, brittle, or damaged, the adapter should be replaced.
- **Storage:** Store unused adapters in a clean, dry environment to prevent corrosion and damage.

8. Troubleshooting

If you encounter issues with the Milton 1460 Large Bore Adapter, refer to the following common problems and solutions:

- **Air Leakage:**
  - **Cause:** Adapter not tightened sufficiently, damaged gasket, or cross-threaded.
  - **Solution:** Ensure the adapter is properly tightened. If leaks persist, remove the adapter, inspect the gasket for damage, and replace the adapter if the gasket is compromised. Re-thread carefully to avoid cross-threading.
- **Difficulty Threading:**
  - **Cause:** Incorrect thread size, cross-threading, or debris on threads.
  - **Solution:** Verify the valve stem is a large bore type compatible with TR-AD1 threads. Clean threads on both the valve stem and adapter. Start threading by hand to ensure proper alignment.
- **Inaccurate Pressure Readings:**
  - **Cause:** Adapter not fully seated, valve core issue, or faulty pressure gauge.
  - **Solution:** Ensure the adapter is fully tightened. Check the valve core within the adapter for proper function. Test with a different, known-accurate pressure gauge.

9. Warranty and Support

For information regarding warranty coverage, technical support, or replacement parts for your Milton 1460 Large Bore Adapter, please contact Milton customer service directly or visit their official website. Keep your purchase receipt as proof of purchase.

Milton Industries Contact Information:

Website: www.miltonindustries.com (This is a placeholder URL, please refer to official Milton documentation for actual contact details.)

Phone: Refer to the official Milton website for current contact numbers.