Milton 693BK

Milton 693BK 1/4" Straight Foot Dual Head Air Chuck User Manual

Model: 693BK

Product Overview

The Milton 693BK 1/4" Straight Foot Dual Head Air Chuck is a specialized tool designed for efficient tire inflation and pressure checking, particularly on vehicles with inner dual wheels. Its unique dual-head design allows for easy access to hard-to-reach tire valves. This chuck is engineered to meet exacting standards, ensuring reliable performance for professional and personal use.



An image showing the Milton 693BK 1/4 inch Straight Foot Dual Head Air Chuck. The chuck features a silver-colored angled head on the left, connected to a long brass-colored shaft, ending with a brass hexagonal fitting on the right. This design allows for easy access to tire valves, especially on inner dual wheels.

Key Features

- **1/4" Female National Pipe Thread (FNPT):** Standard connection for air hoses.
- **Dual Head Design:** Provides access to tire valves on inner dual wheels, even when facing inward.
- **Straight Foot Design:** Facilitates easy engagement with tire valves.
- **Sealing Type Chuck:** Features a closed design that seals the air in the tire when connected, and prevents air leakage from the hose when not in use.
- **Durable Construction:** Manufactured to exacting standards for long-lasting use.
- **Maximum Pressure:** Rated for a maximum air pressure of 150 PSI.

Setup

The Milton 693BK air chuck is designed for straightforward integration into your existing air system. Follow these steps for proper setup:

1. **Inspect the Chuck:** Before first use, visually inspect the air chuck for any signs of damage or manufacturing defects. Ensure the threads are clean and free of debris.
2. **Prepare Air Hose:** Ensure your air hose has a compatible 1/4" Male National Pipe Thread (MNPT) fitting.
3. **Connect Air Chuck:** Thread the 1/4" FNPT end of the Milton 693BK air chuck onto the MNPT fitting of your air hose. Hand-tighten first, then use a wrench to secure it firmly, ensuring an airtight seal. Do not overtighten.
4. **Connect to Air Source:** Connect the other end of your air hose to a regulated air compressor or an inflator gauge. Ensure the air source is off or regulated to a safe pressure before connecting.
5. **Pressure Check:** Briefly open the air source to check for any leaks at the connection points. If leaks are detected, re-tighten connections.

Note: This sealing type chuck is closed and is not intended for use as a standalone inflator gauge or for continuous flow directly from an unregulated airline. It is designed to connect to a tire valve and facilitate air transfer from a connected air source or gauge.

Operating Instructions

Using the Milton 693BK air chuck for tire inflation or pressure checking is simple:

1. **Prepare the Tire Valve:** Remove the valve cap from the tire you intend to service.
2. **Engage the Chuck:**
    - For standard valves or outer duals: Push one of the chuck heads firmly onto the tire valve stem until it locks into place.
    - For inner duals with inward-facing valves: Utilize the straight foot design to reach and engage the inner dual valve. Push firmly until the chuck locks onto the valve core thread.
3. **Check Pressure / Inflate:**
    - If using with a pressure gauge: Read the pressure directly from the gauge once the chuck is securely attached.
    - If inflating: Activate your air compressor or inflator to add air to the tire. Monitor the pressure using an external gauge.
4. **Disengage the Chuck:** Once the desired pressure is reached or checked, pull the chuck straight off the valve stem. The sealing mechanism will prevent air loss from the tire.
5. **Replace Valve Cap:** Always replace the valve cap to protect the valve stem from dirt and moisture.

Important: Do not exceed the maximum recommended tire pressure. Always refer to your vehicle's or tire manufacturer's specifications for correct tire pressure.

Maintenance

Proper maintenance will extend the life and ensure the reliable performance of your Milton 693BK air chuck:

- **Cleaning:** Periodically wipe down the chuck with a clean, dry cloth to remove dirt, grease, and debris. Avoid using harsh chemicals or solvents that could damage the materials.
- **Lubrication:** A small amount of silicone-based lubricant can be applied to the internal sealing components if the chuck becomes difficult to engage or disengage, or if sealing performance degrades. Do not use petroleum-based lubricants as they can damage rubber seals.
- **Storage:** Store the air chuck in a clean, dry environment, away from extreme temperatures and direct sunlight.

Protect the threaded end from damage.

- **Inspection:** Regularly inspect the chuck for any signs of wear, cracks, or damage to the body or sealing surfaces. If significant wear or damage is observed, replace the chuck to ensure safe and effective operation.

Troubleshooting

Problem	Possible Cause	Solution
Air leaks at chuck-to-tire valve connection.	Chuck not fully engaged. Damaged valve stem or valve core. Worn or dirty internal chuck seal.	Push chuck firmly onto valve stem until it locks. Inspect valve stem and core; replace if damaged. Clean chuck interior; if seal is worn, replace the chuck.
Air leaks at chuck-to-hose connection.	Loose connection. Damaged threads or seal tape/compound.	Tighten connection with a wrench. Apply new thread seal tape or compound; inspect threads for damage.
Chuck is difficult to attach or remove.	Lack of lubrication. Debris in chuck mechanism.	Apply a small amount of silicone lubricant to the internal mechanism. Clean the chuck thoroughly to remove any obstructions.

Specifications

Attribute	Detail
Brand	Milton
Model Number	693BK
Part Number	693BK
Connection Type	1/4" Female National Pipe Thread (FNPT)
Chuck Type	Straight Foot Dual Head, Sealing Type
Maximum Air Pressure	150 PSI
Item Package Quantity	50 pcs (for this specific listing)
UPC	030937307354
ASIN	B09KS4ZMS8

Warranty and Support

For information regarding warranty coverage, product support, or to purchase replacement parts, please contact Milton customer service directly or visit their official website. Specific warranty terms may vary.

Milton Industries Contact Information:

- *Please refer to the official Milton Industries website or product packaging for the most current contact details.*

© 2024 Milton Industries. All rights reserved.