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› JACO Industrial Quick Connect Air Hose Fittings Kit (JSP-101) - 1/4" NPT Instruction Manual

JACO Superior Products JSP-101

JACO Industrial Quick Connect Air Hose Fittings Kit (JSP-101)

1/4" NPT Plug & Coupler Set - Instruction Manual

1. INTRODUCTION

This manual provides detailed instructions for the safe and effective use of your JACO Industrial Quick Connect Air Hose Fittings Kit, model JSP-101. This kit includes a set of 1/4" NPT brass and steel alloy plugs and couplers designed for various air compressor tools and hoses. Please read this manual thoroughly before installation and operation to ensure proper function and longevity of the product.

2. PRODUCT OVERVIEW

The JACO Industrial Quick Connect Air Hose Fittings Kit is engineered for durability and precision in demanding environments. Constructed from 100% solid brass and steel, these fittings are designed for all-day use with air compressor tools and airline accessories. They adhere to 1/4 inch NPT industrial specifications (Type D, also known as Type I/M), ensuring broad compatibility. The couplers feature a heavy-duty six-ball bearing insert for quick, airtight, and hassle-free connections. Each kit includes thread seal tape to ensure leak-proof installations.

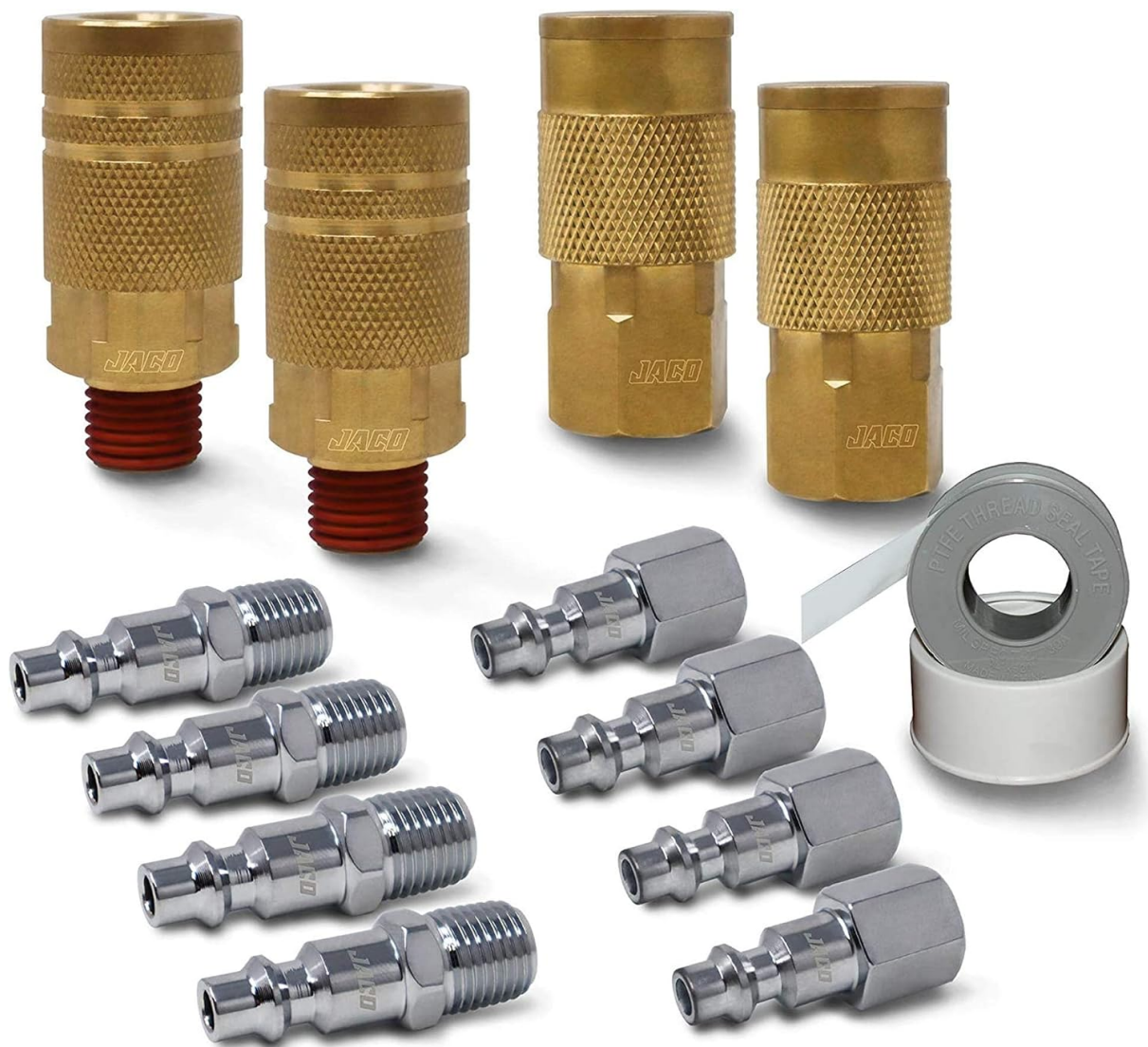


Image 1: Complete JACO Industrial Quick Connect Air Hose Fittings Kit.

3. INCLUDED COMPONENTS

Your JACO Industrial Quick Connect Air Hose Fittings Kit (JSP-101) contains the following items:

- 2x Brass Couplers (Female)
- 2x Brass Couplers (Male)
- 4x Steel Alloy Plugs (Female)
- 4x Steel Alloy Plugs (Male)
- 1x Thread Seal Tape Roll



Image 2: Detailed view of all components included in the kit.

4. SETUP & INSTALLATION

Follow these steps for proper setup and installation of your quick connect air hose fittings:

1. **Prepare Threads:** Ensure all threads on your air tools and hoses are clean and free of debris.
2. **Apply Thread Seal Tape:** Wrap the included thread seal tape (PTFE tape) clockwise around the male threads of the fittings. Apply 3-5 wraps for an effective seal. This prevents air leaks and ensures a secure connection.
3. **Attach Fittings:** Screw the appropriate male or female coupler/plug onto your air tool or hose. Tighten securely with a wrench, but do not overtighten, as this can damage the threads.
4. **Connect Components:** To connect a male plug to a female coupler, pull back the collar on the female coupler, insert the male plug, and then release the collar. A secure, audible click indicates a proper connection.



Image 3: A JACO quick connect fitting securely attached to an air tool, demonstrating a proper connection for pneumatic operation.

Video: Industrial Plug & Coupler Air Fittings Kit by JACO

Video 1: This video demonstrates the features and proper usage of the JACO Industrial Plug & Coupler Air Fittings Kit, showcasing how to achieve secure and efficient connections with air tools.

5. OPERATING INSTRUCTIONS

Once installed, operating the quick connect fittings is straightforward:

- **Connection:** To connect an air tool or hose, simply push the male plug into the female coupler while pulling back the coupler's sleeve. Release the sleeve to lock the connection. Ensure the connection is firm and there is no air leakage.
- **Disconnection:** To disconnect, pull back the sleeve on the female coupler. The male plug will release. Always ensure the air supply is turned off and pressure is relieved from the line before disconnecting to prevent accidental discharge or injury.
- **Airflow:** These fittings are designed for optimal airflow, ensuring your pneumatic tools receive consistent pressure for efficient operation.

What's In The Kit?

**1/4" NPT
Industrial
Type D (I/M)**

2x Female Couplers



2x Male Couplers



1x Thread Tape



4x Female Plugs



4x Male Plugs



Image 4: A JACO quick connect fitting in use with a tire inflator, illustrating its application for various air-powered tasks.

6. MAINTENANCE

Regular maintenance ensures the longevity and reliable performance of your JACO quick connect fittings:

- **Cleaning:** Periodically clean the fittings to remove dirt, dust, and grime that can accumulate and affect performance. Use a clean cloth and mild detergent if necessary. Ensure fittings are dry before re-use.
- **Inspection:** Regularly inspect fittings for signs of wear, damage, or corrosion. Check the O-rings and internal mechanisms of the couplers for proper function. Replace any worn or damaged components immediately.
- **Lubrication:** A small amount of pneumatic tool oil or silicone-based lubricant can be applied to the O-rings and moving parts of the couplers to maintain smooth operation and prevent wear.

7. TROUBLESHOOTING

If you encounter issues with your quick connect fittings, consider the following:

- **Air Leaks:** If air leaks are detected, first check the thread seal tape application. Reapply if necessary, ensuring sufficient wraps and proper tightening. Inspect O-rings for damage or wear and replace if faulty. Ensure the male plug is fully seated and the coupler sleeve is locked.

- **Difficulty Connecting/Disconnecting:** This may indicate dirt or debris in the coupler mechanism or worn internal components. Clean the fitting thoroughly. If the issue persists, lubrication may be needed, or the fitting may require replacement.
- **Incompatible Fittings:** Ensure all fittings are 1/4" NPT industrial type (Type D / I/M) for proper compatibility. Mixing different types of fittings can lead to leaks or improper connections.

8. SPECIFICATIONS

Brand	JACO Superior Products
Model Number	JSP-101
Size	1/4 inch
Material	Brass, Steel Alloy
Color	Brass
Connector Type	Manual Pull-Sleeve
Thread Size	1/4 inch NPT
Exterior Finish	Brass
Item Weight	1 Pounds
Number of Pieces	12
UPC	860002785417

9. WARRANTY & SUPPORT

JACO Superior Products stands behind the quality of its products. This kit is backed by a **100% Lifetime Warranty**. For any questions, support, or warranty claims, please contact JACO Superior Products directly. Our team has over 35 years of experience in the pneumatic tools industry and is dedicated to providing high-performance tools and accessories.