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> [TOPRING](#) /

> TOPRING 41.870 Brass Hose Barb Fitting Instruction Manual

## TOPRING 41.870

# TOPRING 41.870 Brass Hose Barb Fitting Instruction Manual

## 1. INTRODUCTION

This manual provides essential instructions for the safe and effective use of the TOPRING 41.870 Brass Hose Barb Fitting. This fitting is specifically designed for 'Lock-ON' air hoses, simplifying hose repair and maintenance by eliminating the need for traditional crimping or skiving methods.

Please read this manual thoroughly before installation and operation to ensure proper usage and to maximize the lifespan of your fitting.

## 2. PRODUCT OVERVIEW

The TOPRING 41.870 is a high-quality brass hose barb fitting featuring a 3/4 inch inner diameter (I.D.) hose barb on one end and a 1/2 inch male NPT (National Pipe Taper) thread on the other. It is engineered for secure, leak-free connections with compatible 'Lock-ON' air hoses, such as TOPRING TOPFLEX and TOPFLEX SPARK Air Hoses. Constructed from durable brass, this fitting is built to withstand a maximum working pressure of 300 PSI.



A close-up view of the TOPRING 41.870 brass hose barb fitting, showing the barbed end for hose connection and the threaded male NPT end for attachment to pneumatic equipment. A yellow protective ring is visible near the threaded section.

### 3. SETUP AND INSTALLATION

The 'Lock-ON' design of this fitting simplifies the installation process, requiring no specialized crimping tools. Follow these steps for a secure connection:

1. **Prepare the Hose:** Ensure the end of your 'Lock-ON' compatible air hose is cut cleanly and squarely. A clean, straight cut is crucial for a proper seal.
2. **Insert the Fitting:** Firmly push the hose barb end of the fitting into the prepared hose. Apply steady pressure and twist slightly if necessary, until the hose is fully seated over the barb. The 'Lock-ON' mechanism will create a secure grip.
3. **Verify Connection:** Visually inspect the connection to ensure the hose is completely seated against the fitting's shoulder. A properly installed fitting will provide a secure, leak-free connection without the need for clamps or crimps.
4. **Threaded Connection:** Apply an appropriate thread sealant (e.g., PTFE tape or pipe dope) to the 1/2(M) NPT threads before screwing the fitting into the receiving pneumatic component. Tighten securely, but do not overtighten, to prevent damage to the threads.

**Important:** Only use this fitting with 'Lock-ON' compatible air hoses. Using it with non-compatible hoses may result in an insecure connection and potential air leaks or hose detachment.

## 4. OPERATING INSTRUCTIONS

Once the TOPRING 41.870 fitting is correctly installed, it facilitates the connection of air hoses to various pneumatic tools or systems. Before applying air pressure, ensure all connections, both the hose-to-barb and the threaded NPT connections, are tight and secure. During operation, regularly check for any signs of air leakage, which may indicate an improper seal or damage.

## 5. MAINTENANCE

To ensure optimal performance and safety, regular inspection and maintenance of your TOPRING 41.870 fitting are recommended:

- **Inspection:** Periodically inspect the fitting and the connected hose for any signs of wear, cracks, corrosion, or other damage. Pay close attention to the barb area and the threaded connections.
- **Cleaning:** Clean the brass fitting as needed with a soft cloth. Avoid using harsh chemicals, abrasive cleaners, or solvents, as these can damage the brass material.
- **Replacement:** If any damage, significant wear, or persistent leakage is observed, replace the fitting immediately to maintain system integrity and prevent potential hazards.

## 6. TROUBLESHOOTING

If you encounter issues with your TOPRING 41.870 fitting, consider the following troubleshooting steps:

- **Leakage at Hose Connection:**
  - Ensure the hose end was cut squarely and is fully seated onto the barb.
  - Verify that the hose is indeed a 'Lock-ON' compatible air hose.
  - Inspect the hose for internal damage or deformation near the connection point. If damaged, trim the hose or replace it.
- **Leakage at Threaded Connection:**
  - Confirm that an appropriate thread sealant (e.g., PTFE tape or pipe dope) was applied to the 1/2(M) NPT threads.
  - Ensure the threaded connection is tightened securely. Avoid overtightening, which can strip threads or crack the receiving port.
  - Check the threads on both the fitting and the receiving component for damage.

## 7. SPECIFICATIONS

Feature	Specification
Model Number	41.870
Material	Brass
Hose Barb Size	3/4 inch I.D.
Thread Type	1/2 inch Male NPT
Connector Type	Barb

Feature	Specification
Maximum Working Pressure	300 PSI
Number of Pieces (per pack)	2
UPC	774679104719

## 8. WARRANTY INFORMATION

This TOPRING 41.870 Brass Hose Barb Fitting is covered by a **Manufacturer 1 Year Warranty**. Please retain your proof of purchase for any warranty claims. For specific terms and conditions, refer to the warranty documentation provided with your product or contact TOPRING customer support.

## 9. SUPPORT

For technical assistance, product inquiries, or warranty support, please contact TOPRING customer service. You can find contact information and additional resources by visiting the official TOPRING store on Amazon:

[Visit the TOPRING Store](#)