

Circo 55-F

Instruction Manual: Circo 1-1/2" 5-Way Furniture Grade PVC Fitting

Model: 55-F

1. PRODUCT OVERVIEW

The Circo 1-1/2" 5-Way Furniture Grade PVC Fitting is designed for constructing various PVC structures. It features five non-threaded sockets, making it ideal for creating center supports in large PVC frameworks, bases for sprinklers, dog agility equipment, and other stands. This fitting is compatible with both furniture grade PVC pipe and standard PVC pipe available from hardware stores.

Note: This fitting is specifically designated as 'Furniture Grade', which means it has a non-marked, glossy white finish, suitable for visible applications where aesthetics are important. **It is not intended for plumbing applications.**



Figure 1: Circo 1-1/2" 5-Way Furniture Grade PVC Fitting. This image shows the white, glossy PVC fitting with five open sockets, one pointing upwards and four extending horizontally, forming an 'X' shape at the base.

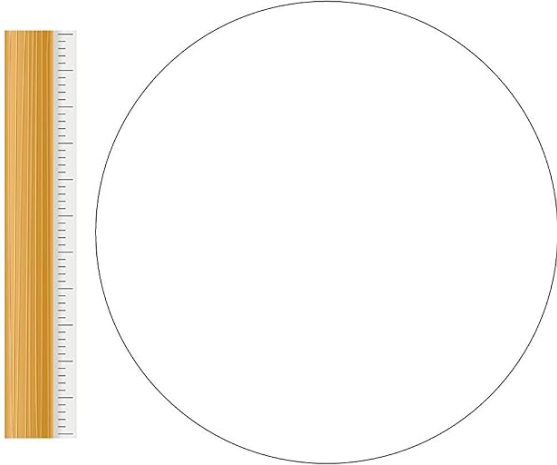
Key Features:

- **Five Non-Threaded Sockets:** Designed for easy insertion of PVC pipes without the need for threading.
- **Furniture Grade Quality:** Features a clean, glossy white finish with no manufacturer markings, ideal for projects where appearance is important.
- **Versatile Application:** Commonly used for creating structural supports, frames, and bases in non-pressurized PVC projects.
- **Compatibility:** Fits 1-1/2" Schedule 40 PVC pipe or other furniture grade PVC pipes.
- **Important Safety Note:** Not suitable for plumbing or pressurized fluid applications.

2. SETUP AND SIZING

Proper sizing of PVC pipe is crucial for a secure fit. PVC pipe is measured by its nominal pipe size (NPS), not its outside diameter. A 1-1/2" fitting is designed to fit a 1-1/2" nominal PVC pipe. Measuring the outside diameter of your pipe may lead to ordering an incorrect fitting size.

1-1/2" Standard PVC Pipe



Outside Diameter Ideal Size: 1.9"

This pipe will fit inside the connector to the right →

Circo Innovations 1-1/2" Standard PVC Connector

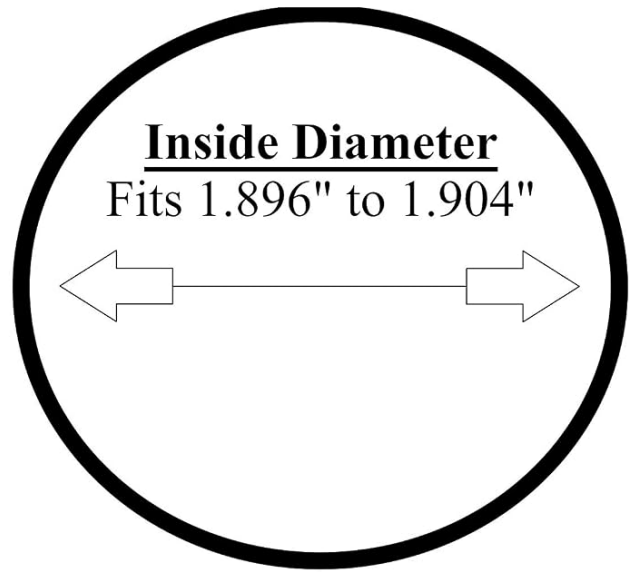


Figure 2: PVC Sizing Guide. This diagram illustrates the difference between the outside diameter of a 1-1/2" standard PVC pipe (approximately 1.9") and the inside diameter of a 1-1/2" standard PVC connector (fits 1.896" to 1.904"). This visual aids in selecting the correct pipe size for the fitting.

Installation Steps:

1. **Select Correct Pipe:** Ensure your PVC pipe is 1-1/2" nominal size. Refer to Figure 2 for visual guidance on pipe and fitting dimensions.
2. **Cut Pipe to Length:** Measure and cut PVC pipe sections to the desired lengths for your project. Ensure cuts are clean and burr-free.
3. **Insert Pipe:** Firmly insert the PVC pipe ends into the non-threaded sockets of the 5-way fitting. Apply even pressure until the pipe is fully seated.
4. **Secure Connection (Optional):** For permanent or high-stress applications, PVC cement can be used to create a strong, permanent bond between the pipe and fitting. Apply cement according to the manufacturer's instructions.

3. OPERATING AND APPLICATIONS

The 5-way design of this fitting allows for complex structural connections, particularly useful for creating three-dimensional frameworks. The central upward socket combined with four horizontal sockets provides stability and multiple connection points.

Common Applications:

- **Center Supports:** Ideal for providing central stability in large PVC structures, such as greenhouses, cold frames, or temporary shelters.
- **Bases and Stands:** Excellent for constructing stable bases for items like sprinklers, light stands, or display units.
- **Dog Agility Equipment:** Used to build various components for dog training courses, offering sturdy and safe connections.
- **DIY Furniture and Frames:** Suitable for creating custom furniture pieces, shelving units, or artistic installations where a clean, white finish is desired.

4. MAINTENANCE

The Circo Furniture Grade PVC Fitting requires minimal maintenance due to its durable PVC construction. Its glossy finish

is designed to resist yellowing and maintain its appearance over time.

Care Instructions:

- **Cleaning:** Wipe the fitting with a damp cloth to remove dust or dirt. For stubborn marks, a mild soap solution can be used. Avoid abrasive cleaners or solvents that may damage the glossy finish.
- **Storage:** Store fittings in a cool, dry place away from direct sunlight when not in use to prevent material degradation over extended periods.
- **Inspection:** Periodically inspect connections for looseness, especially in structures that are frequently moved or subjected to stress. Re-seat pipes or apply PVC cement if necessary.

5. TROUBLESHOOTING

This section addresses common issues that may arise during the use of the PVC fitting.

Problem	Possible Cause	Solution
Pipe does not fit into the socket.	Incorrect pipe size (e.g., measuring outside diameter instead of nominal size).	Ensure you are using 1-1/2" nominal PVC pipe. Refer to the sizing guide in Section 2.
Pipe fits too loosely in the socket.	Pipe is slightly undersized or fitting tolerance.	For non-pressurized applications, a loose fit might be acceptable. For a more secure connection, use PVC cement. Ensure the pipe is not damaged or warped.
Connection feels unstable or wobbly.	Pipes not fully seated, or structure design lacks rigidity.	Push pipes firmly into the sockets until they bottom out. Consider adding more support points or using PVC cement for increased stability.
Fitting appears discolored or damaged.	Exposure to harsh chemicals, extreme UV, or physical impact.	Avoid using harsh cleaning agents. While durable, prolonged exposure to extreme conditions can affect PVC. Replace damaged fittings.

6. SPECIFICATIONS

Attribute	Detail
Brand	Circo
Model Number	55-F
Material	PVC
Color	White
Size	1-1/2 inch (Nominal)
Connector Type	Socket (Non-threaded)
Number of Pieces	1
Item Weight	1.6 ounces (approx.)
Exterior Finish	Glossy PVC

Attribute	Detail
Manufacturer	Circo Innovations
UPC	890799001551

7. WARRANTY AND SUPPORT

For specific warranty information or technical support regarding your Circo 1-1/2" 5-Way Furniture Grade PVC Fitting, please refer to the product packaging or contact Circo Innovations directly through their official website or customer service channels. Keep your purchase receipt as proof of purchase.

Manufacturer Contact: Visit the official Circo Innovations website for the most up-to-date contact information and support resources.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question