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› Flamco T-plus Supporting Collar for 60mm Pipes - Instruction Manual

Flamco 90650

Flamco T-plus Supporting Collar for 60mm Pipes

Model: 90650 - Instruction Manual

1. INTRODUCTION

The Flamco T-plus Supporting Collar (Model 90650) is designed for creating a branch connection on existing pipework quickly and efficiently. This device allows for a perfect tap without the need to drain the system, preventing the ingress of air and dirt. It features a unique tapping mechanism and simple preliminary assembly with snap nuts, ensuring a secure and reliable connection.

This manual provides essential information for the safe and correct installation, operation, and maintenance of your Flamco T-plus Supporting Collar.

2. SAFETY INFORMATION

- **Professional Installation:** Installation should only be performed by qualified personnel familiar with plumbing and heating systems.
- **System Pressure:** Ensure the system pressure does not exceed the maximum operating pressure specified for the device (refer to Section 6: Specifications).
- **Temperature Limits:** Do not expose the device to temperatures exceeding the maximum permissible temperature (refer to Section 6: Specifications).
- **Personal Protective Equipment:** Always wear appropriate personal protective equipment (e.g., safety glasses, gloves) during installation.
- **Single Use Trigger:** The tapping trigger is designed for single use only. Do not attempt to reuse or modify it.
- **Leak Check:** After installation, always perform a thorough leak check before fully operating the system.

3. COMPONENTS OVERVIEW

The Flamco T-plus Supporting Collar consists of the main collar body, securing bolts, and the integrated tapping mechanism with a single-use trigger. Below are visual representations of the product and its key dimensions.



Figure 3.1: Side view of the Flamco T-plus Supporting Collar, illustrating overall length (F), main body length (A), branch connection offset (B), and height (D).





Figure 3.2: Front view of the Flamco T-plus Supporting Collar, showing the width (E) of the main body.

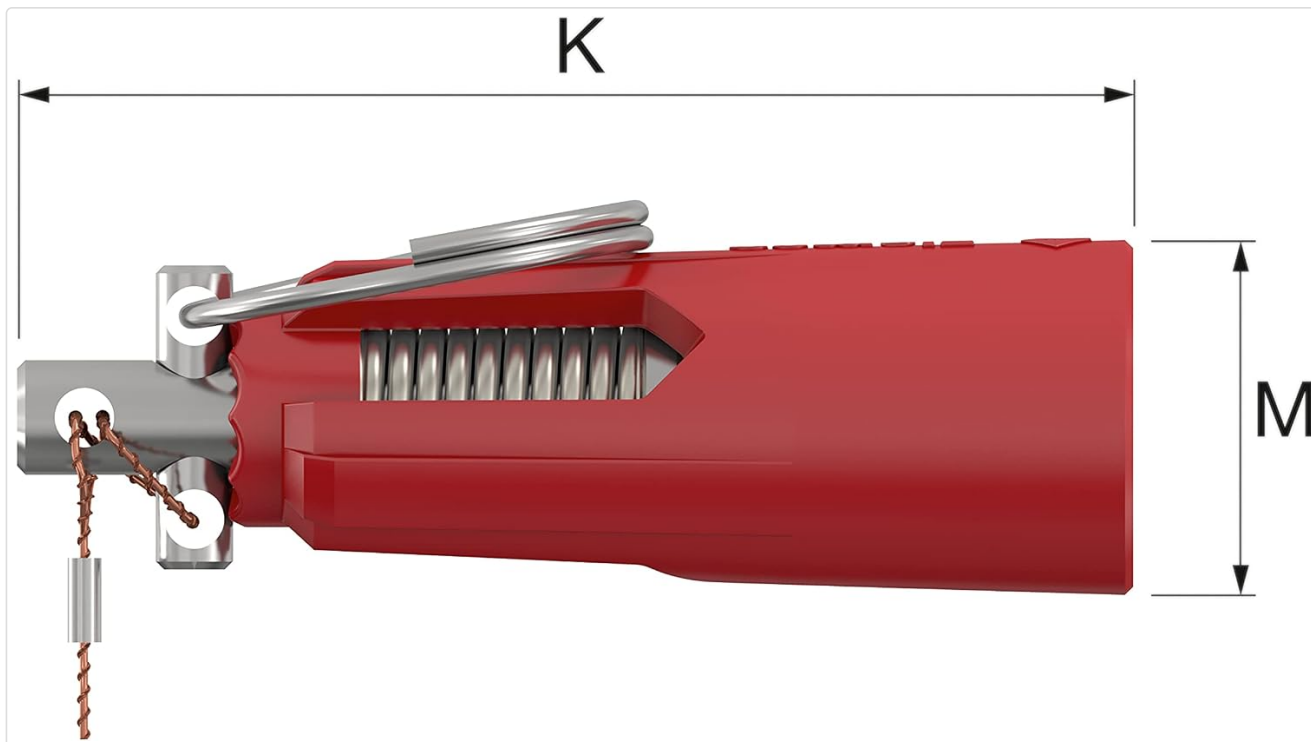


Figure 3.3: Detailed view of the tapping trigger mechanism, showing its length (K) and diameter (M).

4. SETUP AND INSTALLATION

The Flamco T-plus Supporting Collar is designed for straightforward installation without the need to drain the system. Follow these steps carefully:

1. **Prepare the Pipe:** Identify the exact location on the pipe where the branch connection is required. Ensure the pipe surface is clean and free from debris, rust, or paint.
2. **Position the Collar:** Place the two halves of the T-plus collar around the pipe at the desired location. The tapping mechanism should be oriented correctly for the intended branch direction.
3. **Preliminary Assembly:** Secure the collar halves using the provided snap nuts. These allow for easy preliminary assembly, holding the collar in place.
4. **Tighten the Bolts:** Gradually tighten the securing bolts evenly on both sides using a torque wrench. Apply a torque of **30 Nm** to ensure a leak-proof seal. Refer to Figure 4.1 for an example of the assembled collar.
5. **Insert the Trigger:** Insert the single-use tapping trigger into the designated opening on the collar.
6. **Activate the Trigger:** Follow the specific instructions provided with the trigger to activate it. This action will create the branch opening in the pipe. The tapping mechanism guarantees a perfect fit every time.
7. **Remove the Trigger:** Once the tap is complete, carefully remove the trigger. The system remains sealed, preventing air and dirt ingress.
8. **Connect Branch Pipe:** Connect your branch pipe to the Rp 1¼" connection point on the T-plus collar.
9. **Leak Check:** After installation and connection of the branch pipe, thoroughly inspect all connections for any signs of leakage.



Figure 4.1: Example of an assembled Flamco T-plus Supporting Collar (black version).



Figure 4.2: Example of an assembled Flamco T-plus Supporting Collar (white version).

5. OPERATING AND MAINTENANCE

5.1. Operation

Once correctly installed and the tapping process completed, the Flamco T-plus Supporting Collar functions as a permanent branch connection point on your pipework. It does not require active operation beyond its initial installation. Ensure that the system operates within the specified pressure and temperature limits.

5.2. Maintenance

The Flamco T-plus Supporting Collar is designed for long-term, maintenance-free operation. However, periodic checks are recommended:

- **Visual Inspection:** Periodically inspect the collar and surrounding pipework for any signs of corrosion, damage, or leaks.
- **Connection Integrity:** Ensure that the branch pipe connection remains secure.
- **Environmental Factors:** Protect the installed collar from extreme physical impact or corrosive environments that could compromise its integrity.
- **Trigger:** The tapping trigger is a single-use component and cannot be maintained or reused.

6. TROUBLESHOOTING

If you encounter issues with your Flamco T-plus Supporting Collar, consider the following:

- **Leakage at Collar:**
 - **Cause:** Insufficient tightening torque, improper pipe surface preparation, or damaged sealing components.
 - **Solution:** Ensure bolts are tightened to the specified 30 Nm. If leakage persists, the collar may need to be replaced by a professional. Do not attempt to overtighten beyond the specified torque.
- **Leakage at Branch Connection:**
 - **Cause:** Improperly sealed branch pipe connection.
 - **Solution:** Re-check the connection of the branch pipe to the Rp 1¼" port. Ensure appropriate sealing tape or compound is used and tightened correctly.
- **Tapping Mechanism Failure:**

- **Cause:** Incorrect trigger activation or a faulty single-use trigger.
- **Solution:** Ensure the trigger is activated according to its specific instructions. If the trigger fails to create the tap, professional assistance is required. The trigger is single-use and cannot be reset.

For issues not covered here, or if troubleshooting steps do not resolve the problem, contact a qualified plumbing professional or Flamco customer support.

7. SPECIFICATIONS

The following table details the technical specifications for the Flamco T-plus Supporting Collar, Model 90650.

Ø Pipe	Nom.	2"
	Ext. [mm]	60.3
Branch connection		Rp 1 ¼"
Permissible wall thickness	Min. [mm]	2.3
	Max. [mm]	4.50
Torque [Nm]		30

Figure 7.1: Technical specifications for the Flamco T-plus Supporting Collar.



Ausführung aus Messing

- Maximaler Betriebsdruck: 16 bar
- Maximal zulässige Temperatur:130 °C



Gusseiserne Ausführung

- Maximaler Betriebsdruck: 25 bar
- Maximal zulässige Temperatur:130 °C
- Einfache Vorinstallation mit Einrastmuttern (bei Modellen ab 1½").

Figure 7.2: Additional technical specifications, including maximum operating pressure and temperature.

Specification	Value
Model Number	90650
Brand	Flamco
Nominal Pipe Diameter	2 inches

Specification	Value
External Pipe Diameter	60.3 mm
Branch Connection	Rp 1¼ inches
Permissible Wall Thickness (Min)	2.3 mm
Permissible Wall Thickness (Max)	4.50 mm
Recommended Torque	30 Nm
Material (for this model)	Cast Iron
Maximum Operating Pressure (Cast Iron)	25 bar
Maximum Permissible Temperature	130°C
Item Dimensions (L x W x H)	120 x 8.7 x 8.3 cm
Item Weight	3.3 Kilograms
Connector Type	Socket
Thread Type	UN
Country of Origin	Netherlands

8. WARRANTY AND SUPPORT

For information regarding product warranty, please refer to the terms and conditions provided at the point of purchase or contact Flamco directly. For technical support or further assistance, please reach out to Flamco customer service or your authorized dealer.

Manufacturer: Flamco

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