

Fischer Thermax 10/160 M6 (45695)

Fischer Thermax 10/160 M6 Distance Mounting System User Manual

Model: Thermax 10/160 M6 (45695)

1. INTRODUCTION

Thank you for choosing the Fischer Thermax 10/160 M6 Distance Mounting System. This system is designed for secure and thermally optimized fastening of light to medium loads to external walls with thermal insulation composite systems (ETICS).

The Thermax system ensures a reliable connection without creating thermal bridges, making it an energy-efficient solution for various applications. Please read this manual carefully before installation to ensure proper and safe use of the product.

2. SAFETY INFORMATION

Always observe general safety regulations and local building codes during installation. Failure to follow these instructions may result in injury or damage to property.

- Wear appropriate personal protective equipment (PPE), including safety glasses, gloves, and hearing protection.
- Ensure the work area is well-lit and free from obstructions.
- Verify the type and condition of the building material before drilling.
- Do not overload the installed fixture beyond the specified load capacities.
- Keep children and unauthorized persons away from the work area.
- If unsure about any step, consult a qualified professional.

3. PRODUCT COMPONENTS

The Fischer Thermax 10/160 M6 system includes the following main components:

- **Thermax Double-Threaded Screw:** The core component, designed to mill through plaster and insulation.
- **Anti-Cold Cone:** A glass-fiber reinforced plastic cone that interrupts the thermal bridge.
- **UX Universal Anchor:** For secure anchoring in various building materials.
- **SX Anchor:** (Included in some kits, check packaging)
- **Caps:** For finishing the installation.



Figure 3.1: Overview of the Fischer Thermax 10/160 M6 system components, including the main screw, plastic cone, and two types of anchors.

4. SETUP AND INSTALLATION

Follow these steps for proper installation of the Fischer Thermax 10/160 M6 system:

1. Prepare the Mounting Point:

Identify the desired mounting location. Drill a hole through the insulation and into the base material (e.g., concrete, masonry) using an appropriate drill bit. The drill diameter and depth depend on the anchor type and base material. For the UX 12x70 anchor, a 12mm drill bit is typically used.



Figure 4.1: Drilling the pilot hole for the Thermax system.

2. Insert the Anchor:

Insert the UX universal anchor into the drilled hole until it is flush with the base material behind the insulation. Ensure a snug fit.

3. Install the Thermax Screw:

Place the anti-cold cone onto the double-threaded screw. Drive the double-threaded screw through the insulation and into the anchor using a suitable driver (e.g., a hex bit or wrench). The screw's self-milling feature will cut through the plaster and insulation. Continue turning until the anti-cold cone is firmly seated against the insulation surface.

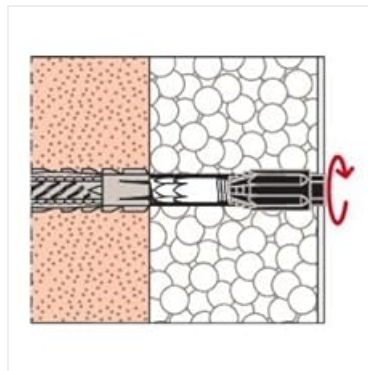


Figure 4.2: Driving the Thermax screw into the pre-drilled hole and anchor.

4. Attach the Fixture:

Once the Thermax screw is securely installed, you can attach your fixture (e.g., light, mailbox, sign) to the exposed

threaded end of the screw. Use appropriate nuts and washers to secure the fixture firmly.

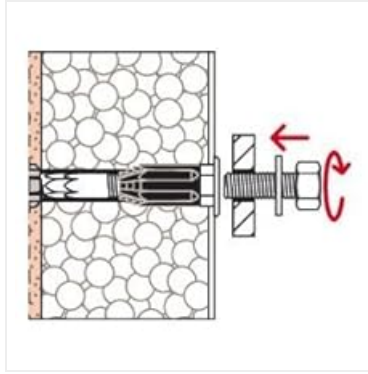


Figure 4.3: Attaching the external fixture to the Thermax screw.

5. Apply Finishing Cap (Optional):

If included in your kit, place the finishing cap over the exposed nut for a clean aesthetic and added protection.

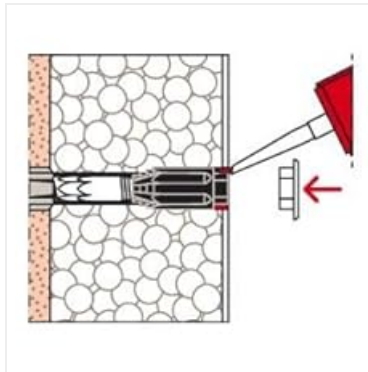
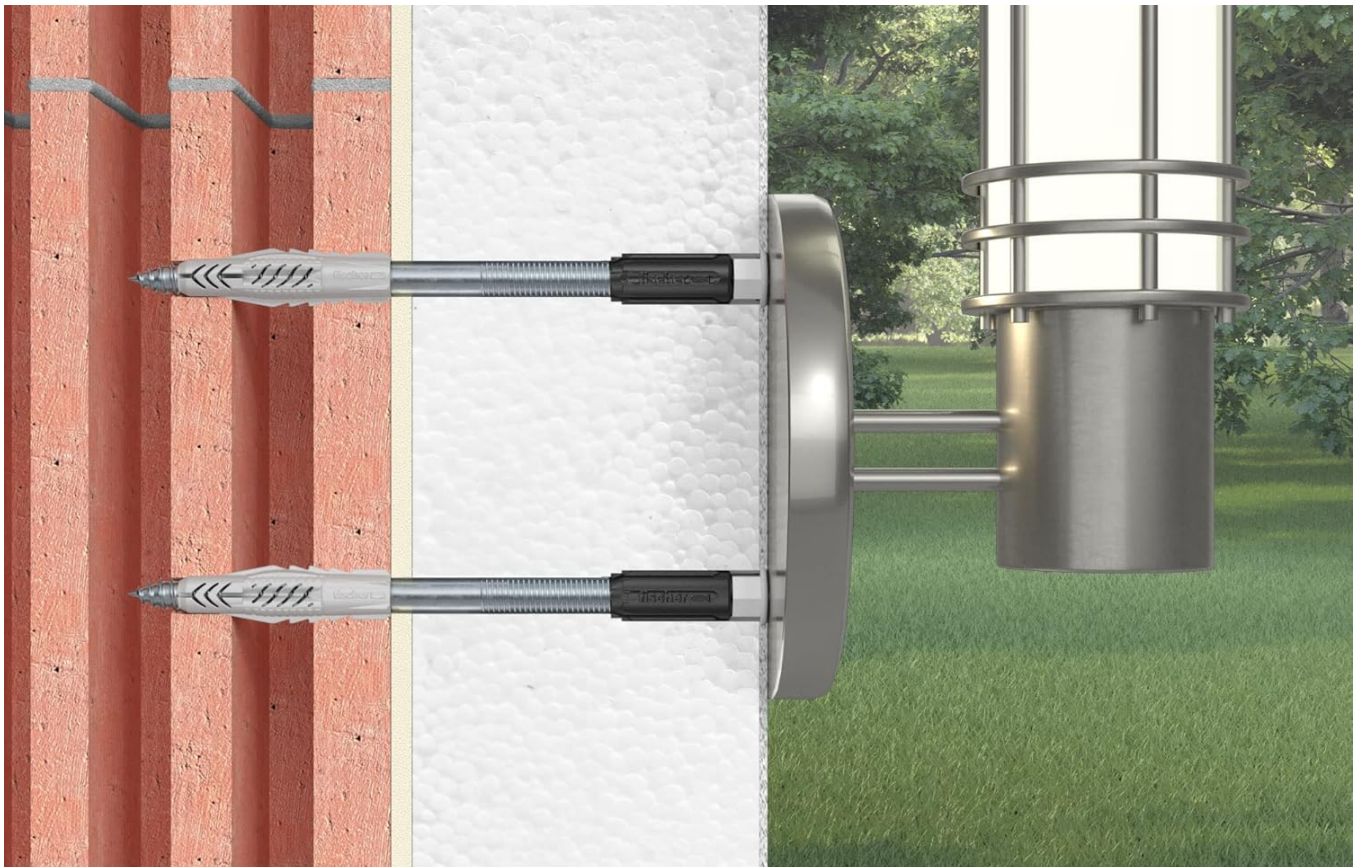
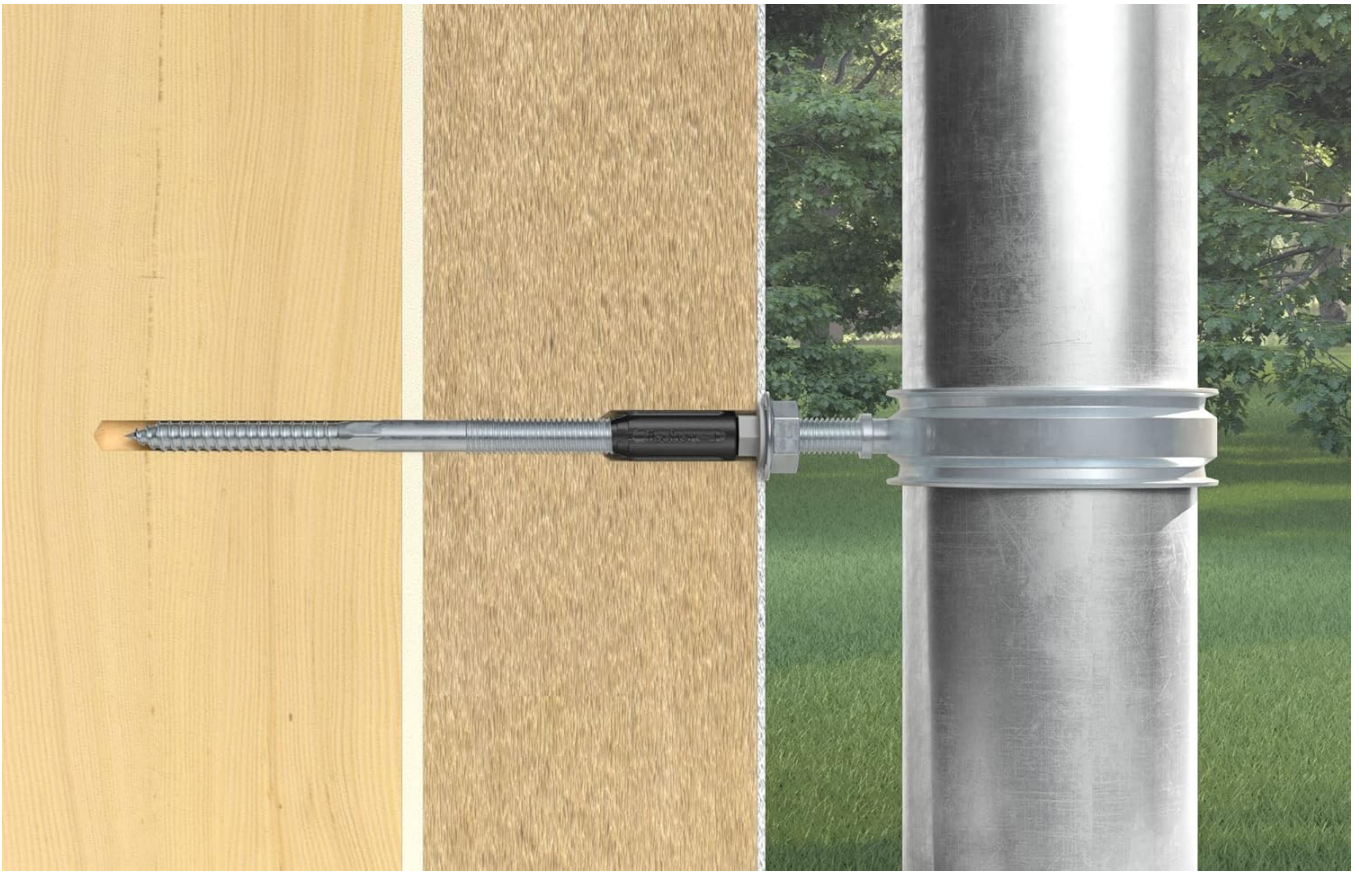


Figure 4.4: Applying the finishing cap.

Installation Examples:



Example 1: Mounting an outdoor light fixture.



Example 2: Mounting a pipe bracket.



Example 3: Mounting a satellite dish or antenna.



Example 4: Mounting a larger pipe or conduit.

5. OPERATING INSTRUCTIONS

The Fischer Thermax 10/160 M6 is a passive mounting system. Once installed, its primary function is to securely hold the attached fixture while minimizing thermal bridging. There are no active "operating" steps for the system itself.

Ensure that the attached fixture is within the load limits specified for the Thermax system and the base material. Regularly inspect the fixture and the mounting point for any signs of loosening or damage, especially after extreme weather conditions.

6. MAINTENANCE

The Fischer Thermax system requires minimal maintenance. However, periodic inspection is recommended to ensure long-term stability and safety.

- **Visual Inspection:** Periodically check the mounted fixture and the Thermax connection point for any visible signs of wear, corrosion, cracks, or loosening.
- **Tightness Check:** If accessible and safe to do so, gently check the tightness of the nuts securing the fixture. Do not overtighten.
- **Cleaning:** Keep the area around the mounting point clean from debris that might accumulate.
- **Damage:** If any damage is observed, consult a professional for assessment and repair. Do not attempt to repair damaged components yourself.

7. TROUBLESHOOTING

This section addresses common issues that may arise during or after installation.

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Screw does not engage anchor.	Incorrect drill hole diameter or depth; anchor not fully seated; wrong anchor type for base material.	Verify drill bit size and depth. Ensure anchor is fully inserted. Use the correct anchor for your specific base material.
Fixture feels loose after installation.	Insufficient tightening; anchor failure; base material damage.	Ensure nuts are tightened to recommended torque (if specified). Re-evaluate base material integrity. If anchor failed, consider re-drilling in a new location or using a larger anchor/system if appropriate.
Thermal bridge still present.	Anti-cold cone not properly seated against insulation.	Ensure the anti-cold cone is flush and tightly seated against the insulation surface.

If you encounter issues not listed here or if solutions do not resolve the problem, please contact customer support.

8. SPECIFICATIONS

Attribute	Detail
Model	Thermax 10/160 M6
Manufacturer Part Number	45695
Brand	Fischer
Size	10/160
Style	M6
Material	Metal (screw), Plastic (cone, anchors)
Quantity per pack	20 pieces (Thermax, UX 12x70, SX 5x25, caps)
Drill Diameter (for UX 12x70)	12 Millimeters (approx.)
Application	Fixing light to medium loads in ETICS (External Thermal Insulation Composite Systems)
Suitable Base Materials	Concrete, perforated brick, light concrete hollow block, sand-lime perforated stone, masonry brick, aerated concrete, wood.

9. WARRANTY AND SUPPORT

Fischer products are manufactured to high-quality standards. For specific warranty information, please refer to the documentation provided with your purchase or visit the official Fischer website.

For technical support, questions regarding installation, or to report any issues, please contact Fischer customer service. Contact details can typically be found on the product packaging or the manufacturer's official website.

Website: www.fischer.group

