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› Faber-Castell 171200 TK-System Drawing Board Square Instruction Manual

Faber-Castell 171200

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INTRODUCTION

This manual provides detailed instructions for the proper use and maintenance of your Faber-Castell 171200 TK-System Drawing Board Square. Designed for precision and durability, this tool is an essential component for technical drawing on compatible Faber-Castell drawing boards.

The Faber-Castell 171200 TK-System Drawing Board Square is crafted from high-quality, shock-resistant plastic, ensuring resilience against impacts and compass points. It integrates seamlessly with Faber-Castell A3 and A4 TK-System drawing boards, facilitating accurate and stable drawing operations.



Image: The Faber-Castell 171200 TK-System Drawing Board Square, showing its L-shaped ruler and integrated protractor head.

SETUP

1. **Prepare Drawing Board:** Ensure your Faber-Castell A3 or A4 TK-System drawing board is clean and placed on a stable, flat surface.
2. **Attach Drawing Square:** Carefully slide the Faber-Castell 171200 Drawing Board Square onto the parallel rule of your drawing board. The square should fit snugly and move smoothly along the rule.
3. **Secure Paper:** Use the instant clamps on your drawing board to firmly hold your drawing paper in place.



Image: The Faber-Castell 171200 Drawing Board Square correctly attached to the parallel rule of a drawing board, ready for use.

OPERATING INSTRUCTIONS

1. Adjusting Angles

- The integrated drawing head allows for precise angle adjustments.
- To set an angle, rotate the drawing head to the desired position. The square offers a rotation range of up to 90 degrees.
- The mechanism includes detents every 15 degrees, providing quick and easy settings for common angles.
- For angles not at 15-degree increments, fine adjustment is possible to achieve precise degree settings.

2. Locking Mechanism

- A locking button is provided to secure the drawing square at a specific position along the parallel rule.
- Press the locking button to engage the lock, preventing the square from moving. Release the button to allow free movement.
- The locking button also helps to fix the angle of the drawing head once set.

3. Reading Angles

- An integrated display window on the drawing head provides a clear reading of the currently set angle.

- Ensure good lighting to accurately read the angle markings.



Image: A detailed view of the drawing square's protractor head, highlighting the angle scale, display window, and locking button for precise adjustments.

MAINTENANCE

- **Cleaning:** Clean the drawing square regularly with a soft, damp cloth. Avoid using abrasive cleaners, solvents, or harsh chemicals, as these can damage the plastic material and markings.
- **Storage:** Store the drawing square in a clean, dry environment, away from direct sunlight and extreme temperatures. This helps prevent warping or degradation of the material.
- **Inspection:** Periodically inspect the square for any signs of wear, damage, or debris that might affect its accuracy or smooth operation.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Drawing square does not slide smoothly.	Debris on parallel rule or square mechanism; uneven board surface.	Clean the parallel rule and the square's sliding edges. Ensure the drawing board is on a flat surface.
Angle adjustment feels loose or inaccurate.	Locking button not fully engaged; internal mechanism obstruction or damage.	Ensure the locking button is pressed firmly. Inspect the adjustment mechanism for any foreign objects. If damage is suspected, contact support.
Markings are difficult to read.	Poor lighting; dirt or smudges on the display window.	Ensure adequate lighting. Clean the display window with a soft, dry cloth.

SPECIFICATIONS

Model Number: 171200

Brand: Faber-Castell

Dimensions (L x W x H): 30.5 x 23.2 x 4 cm (approximately 12 x 9.1 x 1.6 inches)

Weight: 222.26 grams (approximately 0.49 lbs)

Material: High-quality, shock-resistant plastic

Rotation Range: Up to 90 degrees

Angle Detents: Every 15 degrees

Compatibility: Faber-Castell A3 and A4 TK-System drawing boards

Features: Locking button, fine angle adjustment, display window

WARRANTY INFORMATION

For specific warranty terms and conditions related to your Faber-Castell 171200 TK-System Drawing Board Square, please refer to the documentation included with your purchase or visit the official Faber-Castell website. Warranty coverage typically addresses manufacturing defects under normal use.

SUPPORT

Should you require further assistance, technical support, or have questions regarding your Faber-Castell 171200 TK-System Drawing Board Square, please contact Faber-Castell customer service or visit their official website for support resources and contact information.

Official Website: www.faber-castell.com