

Stanley ST145530

Stanley ST145530 Carpenter's Steel Square Instruction Manual

Model: ST145530

1. INTRODUCTION

The Stanley ST145530 Carpenter's Steel Square is a precision measuring tool designed for woodworking and construction tasks. It provides accurate right-angle measurements and marking capabilities, essential for ensuring the squareness of corners and the straightness of lines in various projects. Crafted from durable alloy steel, this tool is built for reliability and longevity.

2. PRODUCT OVERVIEW

This section provides a general overview of the Stanley ST145530 Carpenter's Steel Square.

Key Features:

- **Durable Construction:** Made from high-quality alloy steel for strength and resistance to wear.
- **Precise Measurements:** Clearly engraved metric graduations for accurate marking and measuring.
- **Ergonomic Design:** Balanced weight distribution for comfortable and secure handling during extended use.
- **Versatile Use:** Ideal for checking squareness, marking straight lines, and measuring dimensions in carpentry and other trades.



Figure 2.1: The Stanley ST145530 Carpenter's Steel Square, showing its L-shaped design and clear markings.

3. SETUP

Before using your new Stanley Carpenter's Steel Square, follow these simple steps:

1. **Unpacking:** Carefully remove the steel square from its packaging.
2. **Initial Inspection:** Examine the square for any signs of damage, such as bends, nicks, or manufacturing defects that might affect its accuracy. If any damage is found, do not use the tool and contact customer support.
3. **Cleaning:** Wipe the entire surface of the square with a clean, dry cloth to remove any dust, debris, or protective oils from manufacturing.

4. OPERATING INSTRUCTIONS

The Stanley ST145530 Carpenter's Steel Square is a versatile tool for various measuring and marking tasks.

4.1. Measuring and Marking Right Angles

1. Place one arm of the square firmly against the edge of the material you wish to mark or check.
2. Ensure the inner corner of the square is flush against the material's corner or edge.
3. Use a pencil or marking tool along the other arm of the square to draw a precise 90-degree line.

4.2. Checking Squareness

1. Position the inner or outer corner of the square against the corner of a workpiece, such as a frame or joint.
2. Observe if there are any gaps between the square and the workpiece. A perfect fit indicates the corner is square.

4.3. Using Graduations for Length Measurement

1. Align the zero mark of the square's graduations with the starting point of your measurement.
2. Read the measurement at the desired endpoint along the arm of the square.



Figure 4.1: Detailed view of the metric graduations on one arm of the square, used for precise length measurements.

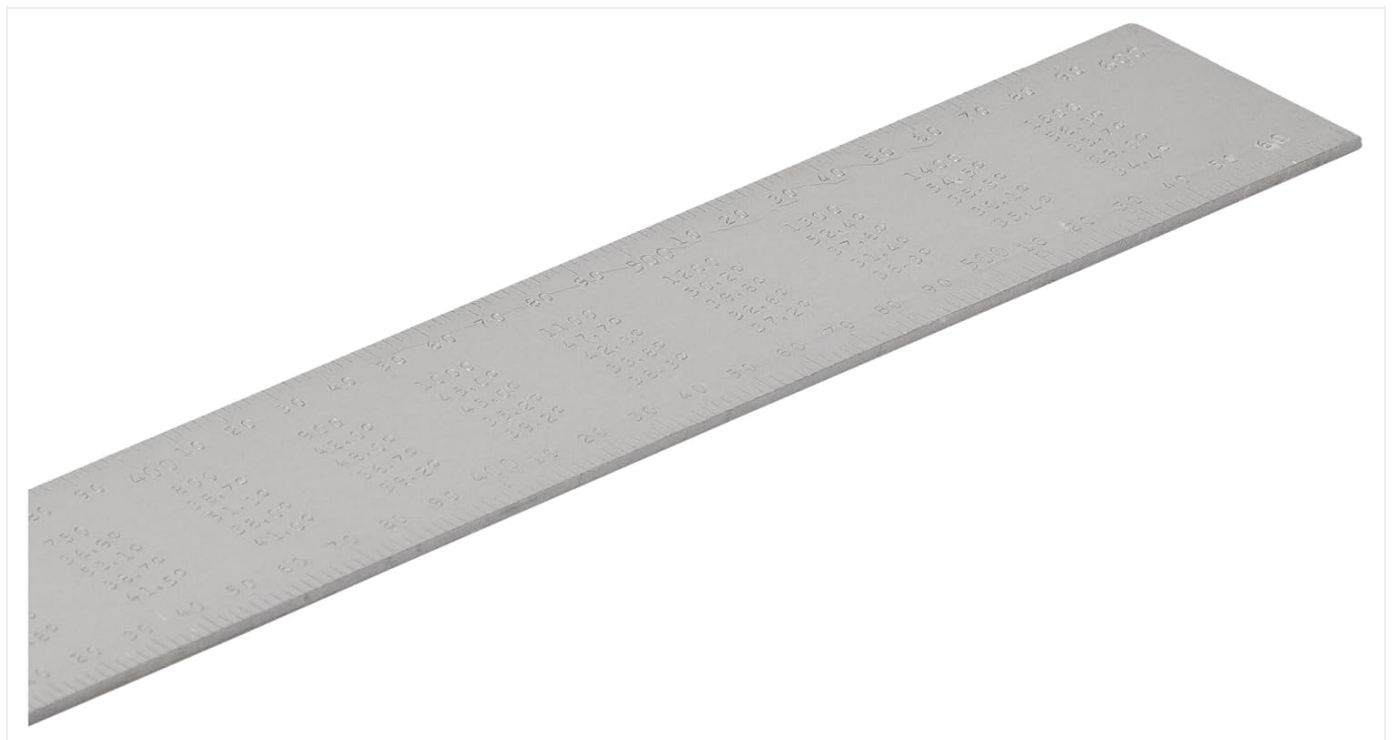


Figure 4.2: Close-up of the corner section of the square, highlighting the precise angle and measurement markings for accurate work.

5. MAINTENANCE

Proper maintenance ensures the longevity and accuracy of your steel square.

- **Cleaning:** After each use, wipe the square clean with a dry cloth to remove any dust, wood shavings, or moisture. This prevents buildup and potential corrosion.
- **Storage:** Store the square in a dry environment, away from excessive humidity or corrosive chemicals. Hanging it on a wall or storing it flat in a toolbox is recommended to prevent bending.
- **Protection:** Avoid dropping the square or subjecting it to impacts, as this can cause bending or damage, compromising its accuracy.
- **Rust Prevention:** If the square is exposed to moisture or stored in a humid environment, consider applying a thin coat of rust-preventative oil periodically.

6. TROUBLESHOOTING

Most issues with a steel square are related to physical damage or improper use.

- **Inaccurate Measurements:**
 - Ensure the square is clean and free from debris that might interfere with contact.
 - Verify that the edge of the material you are measuring against is straight and true.
 - Check the square itself for any visible bends or damage. A damaged square should not be used for precision work.
- **Rust Formation:**
 - Rust typically forms due to prolonged exposure to moisture. Clean and dry the square immediately after use.
 - Store the square in a dry environment. If rust spots appear, they can often be removed with fine steel wool and a rust-removing agent, followed by a protective oil.

7. SPECIFICATIONS

Feature	Detail
Model Number	ST145530 (also 1-45-530)
Material	Alloy Steel
Dimensions (L x W)	60 cm x 40 cm (approx. 24 in x 16 in)
Weight	0.7 kg
UPC	798256179877
Manufacturer	Stanley Black&Decker

8. WARRANTY INFORMATION

The Stanley ST145530 Carpenter's Steel Square is covered by a **2-year warranty** against manufacturing defects from the date of purchase. This warranty does not cover damage resulting from misuse, abuse, normal wear and tear, or unauthorized modifications. Please retain your proof of purchase for any warranty claims.

9. SUPPORT

For technical assistance, product inquiries, or warranty service, please contact Stanley customer support through the following channels:

- **Official Website:** Visit the Stanley Tools official website for FAQs, product information, and contact details.
- **Customer Service:** Refer to the contact information provided with your product packaging or on the official Stanley website for direct customer support.

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