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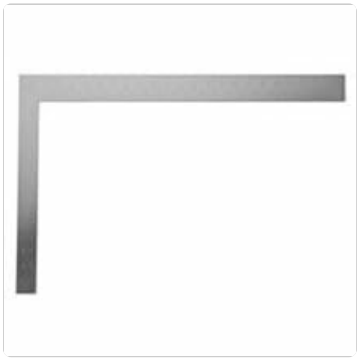
STANLEY 45-500

Stanley 45-500 Steel Carpenter's Square User Manual

Model: 45-500

Introduction

This manual provides essential instructions for the proper use and care of your Stanley 45-500 Steel Carpenter's Square. Designed for precision and durability, this tool is indispensable for accurate measuring, marking, and squaring in various carpentry and construction applications. Please read this manual thoroughly before using the tool to ensure safe and effective operation.



An image showing the Stanley 45-500 Steel Carpenter's Square, a large L-shaped tool used for accurate right-angle measurements and marking.

Product Features

- **High-Quality Hardened Steel:** Constructed from durable alloy steel for extended tool life and consistent performance.
- **Embossed Graduations:** Clear, raised markings on both faces for easy and precise reading.
- **Reverse Reading Scale:** Enhances measurement efficiency by allowing readings from either direction.
- **Protective Finish:** Treated with a transparent, protective coating to resist rust and corrosion.
- **Dimensions:** Body length of 61 cm (24 inches) by 5.1 cm (2 inches) wide, and tongue length of 40.6 cm (16 inches) by 3.8 cm (1-1/2 inches) wide.

Setup

1. **Unpacking:** Carefully remove the carpenter's square from its packaging.
2. **Initial Inspection:** Inspect the tool for any signs of damage that may have occurred during shipping. Ensure all graduations are clear and legible.
3. **Cleaning:** Wipe the square with a clean, dry cloth to remove any dust or residue from manufacturing or packaging.

No assembly is required for this tool.

Operating Instructions

Using for Squaring

1. Place the inside edge of the square's body firmly against the edge of the material you wish to square.
2. Ensure the tongue of the square is flush against the adjacent edge of the material.
3. Use a pencil or marking tool to draw a line along the outer edge of the square's body or tongue to create a precise 90-degree angle.

Using for Measuring

- The embossed graduations allow for direct measurement of lengths. Align the zero mark with the starting point of your measurement.
- Read the measurement directly from the scale at your desired point.
- The reverse reading scale can be utilized for convenience when measuring from right to left or in situations where a standard scale orientation is less practical.

Framing and Layout

The Stanley 45-500 can also be used for more complex layout tasks such as marking rafter cuts, stair stringers, and other angled cuts. Consult specific carpentry guides for detailed instructions on these advanced applications.

Maintenance

- **Cleaning:** After each use, wipe the square clean with a dry or slightly damp cloth to remove sawdust, dirt, or moisture. Avoid using abrasive cleaners or solvents that could damage the protective finish or markings.
- **Rust Prevention:** While the square has a protective finish, prolonged exposure to moisture can lead to rust. Always ensure the tool is dry before storing. If rust spots appear, they can often be removed with fine steel wool and a light oil, followed by wiping clean.
- **Storage:** Store the carpenter's square in a dry environment, away from extreme temperatures and humidity. Hang it or lay it flat to prevent bending or damage from impact.
- **Inspection:** Periodically check the square for any signs of damage, bending, or wear that could affect its accuracy.

Troubleshooting

Inaccurate Readings

- **Cause:** Tool is bent or damaged.
- **Solution:** Inspect the square for any visible bends or damage. If the tool is significantly bent, its accuracy may be compromised, and replacement might be necessary.

- **Cause:** Improper technique.
- **Solution:** Ensure the square is held firmly and flush against the material's edges during use. Any gaps or wobbling can lead to inaccurate markings.

Rust Formation

- **Cause:** Exposure to moisture or improper storage.
- **Solution:** Follow the maintenance guidelines for cleaning and storage. Remove minor rust spots as described in the maintenance section.

Specifications

Brand	STANLEY
Model Number	45-500
Material	Alloy Steel
Color	Silver
Style	Flexible
UPC	076174455007
Number of Items	1
Country of Origin	USA
Item Weight	5.1 Pounds
Body Dimensions	61 cm (24 inches) x 5.1 cm (2 inches)
Tongue Dimensions	40.6 cm (16 inches) x 3.8 cm (1-1/2 inches)

Warranty Information

Specific warranty details for the Stanley 45-500 Steel Carpenter's Square are not provided in this manual. For information regarding product warranty, please refer to the documentation included with your purchase or contact STANLEY customer support directly. Warranty terms typically cover manufacturing defects and material flaws under normal use.

Customer Support

If you have any questions, require assistance, or need to report an issue with your Stanley 45-500 Steel Carpenter's Square, please contact STANLEY customer support. You can typically find contact information on the official STANLEY website or through your retailer.
For more information, visit the officialSTANLEY Store on Amazon.

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