

STANLEY 5-12-060

Stanley 512060 60.1/4 Block Plane Instruction Manual

Model: 5-12-060

1. INTRODUCTION

The Stanley 512060 60.1/4 Block Plane is a precision-engineered hand tool designed for fine woodworking, trimming, and general finishing tasks. This manual provides essential information for the proper setup, operation, and maintenance of your block plane to ensure consistent performance and durability.

2. PRODUCT OVERVIEW AND FEATURES

The Stanley 60.1/4 Block Plane features a robust design for accuracy and ease of use. Its low-angle cutter is seated at 13.5°, making it particularly effective for various woodworking applications.

- **Fully Adjustable:** The plane is fully adjustable for depth-of-cut, cutter alignment, and size of mouth, allowing for precise control over material removal.
- **Durable Construction:** The body is crafted from fine grey iron, providing excellent rigidity and balance for smooth operation.
- **Ergonomic Design:** A comfortable palm grip shape ensures good control during one-handed use, reducing fatigue during repetitive tasks.
- **Versatile Application:** Ideal for planing end grain, chamfering edges, fitting doors and drawers, and fine-tuning joints.
- **Protective Storage:** Supplied with a protective pouch for convenient storage, safeguarding the plane from damage and dust.



Figure 1: Top view of the Stanley 512060 60.1/4 Block Plane, showcasing its adjustable components.

3. COMPONENTS INCLUDED

- Stanley 60.1/4 Block Plane (Model 5-12-060)
- Protective Storage Pouch



Figure 2: The Stanley 60.1/4 Block Plane stored within its protective pouch.

4. SETUP AND ADJUSTMENT

Before initial use, it is recommended to inspect and adjust the plane for optimal performance.

1. **Unpacking:** Carefully remove the block plane from its packaging and protective pouch.
2. **Blade Inspection:** Check the blade for sharpness. While factory-sharpened, honing the blade to your preferred edge can significantly improve cutting performance.
3. **Depth-of-Cut Adjustment:** Use the brass knurled nut at the rear of the plane to adjust the blade's depth. Turning clockwise typically extends the blade for a deeper cut, while counter-clockwise retracts it for a shallower cut. Make small adjustments and test on scrap wood.
4. **Cutter Alignment:** The lateral adjustment lever allows for fine-tuning the blade's alignment to ensure it is parallel with the sole of the plane.
5. **Mouth Adjustment:** The adjustable mouth allows you to control the size of the opening where the blade emerges. A tighter mouth (smaller opening) is suitable for fine shavings and preventing tear-out on difficult grain, while a wider mouth is for heavier cuts. To adjust, loosen the front knob, slide the shoe forward or backward, and then re-tighten.

5. OPERATING INSTRUCTIONS

Proper technique ensures efficient and clean results with your block plane.

- **Grip:** Hold the plane firmly with one hand, utilizing the palm grip for control. Your thumb can rest on the front knob for added stability and pressure.
- **Planing Direction:** For most woods, plane with the grain to achieve the smoothest finish and prevent tear-out. When working on end grain, the low-angle blade of this block plane is highly effective.
- **Even Pressure:** Apply even downward pressure on the plane throughout the stroke. Start with more pressure on the front of the plane and transition to more pressure on the rear as you complete the stroke.
- **Shaving Thickness:** Adjust the depth-of-cut to achieve the desired shaving thickness. For fine finishing, aim for very thin, consistent shavings.
- **Specific Applications:**
 - *End Grain:* When planing end grain, take light passes and consider chamfering the far edge to prevent breakout.
 - *Chamfering Edges:* Hold the plane at an angle to the edge of the workpiece and make successive passes until the desired chamfer is achieved.
 - *Fitting Doors and Drawers:* Use precise, light cuts to remove small amounts of material for a perfect fit.

6. MAINTENANCE

Regular maintenance will prolong the life and performance of your Stanley Block Plane.

- **Cleaning:** After each use, clean the plane thoroughly to remove wood shavings, dust, and resin. A brush or compressed air can be used.
- **Blade Sharpening:** The blade should be sharpened regularly to maintain a keen edge. Use appropriate sharpening stones or systems. A dull blade will lead to poor cuts and increased effort.
- **Rust Prevention:** Apply a thin coat of rust preventative oil or wax to all metal surfaces, especially the sole and blade, after cleaning and before storage.
- **Storage:** Always store the block plane in its supplied protective pouch when not in use. This protects the

blade and prevents damage to the plane body.

7. SPECIFICATIONS

Feature	Specification
Brand	STANLEY
Model Number	5-12-060
Product Dimensions (L x W x H)	2.36"L x 7.87"W x 5.51"H
Item Weight	0.77 Kilograms
Style	Adjustable
Cutter Angle	13.5° (low angle)
Cutter Width	35 Millimeters
Base Material	Iron
Included Components	No.60 1/2 Block Plane + Pouch
UPC	604310238148

8. WARRANTY AND SUPPORT

For information regarding warranty coverage, technical support, or replacement parts, please contact Stanley customer service directly. Refer to the product packaging or the official Stanley website for the most current contact details.