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JessEm 07310

JessEm Large Imperial Tool Setting Gauge User Manual

Model: 07310

PRODUCT OVERVIEW

The JessEm Large Imperial Tool Setting Gauge is a precision measuring instrument designed for accurate height and depth settings on various woodworking tools, including router tables and table saws. Crafted from durable 14-gauge stainless steel, this gauge offers reliability and long-lasting performance. Its versatile design allows for both vertical and horizontal use, making it an essential tool for precise adjustments in your workshop.

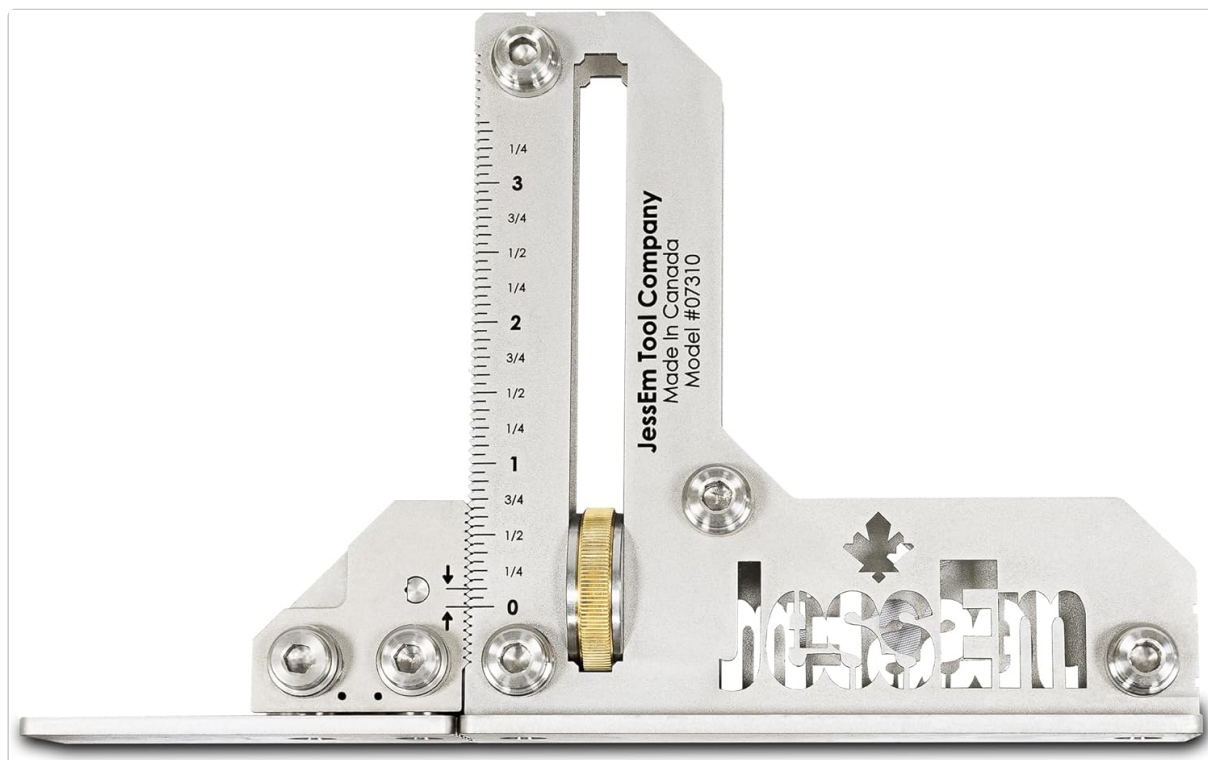


Figure 1: Front view of the JessEm Large Imperial Tool Setting Gauge.

SETUP

The JessEm Large Imperial Tool Setting Gauge comes ready for immediate use. No assembly is required. Before first use, ensure the gauge is clean and free of any debris that might affect its accuracy.

- **Inspection:** Visually inspect the gauge for any signs of damage or manufacturing defects.
- **Cleaning:** Wipe down the gauge with a clean, dry cloth to remove any dust or residue from packaging.
- **Familiarization:** Take a moment to familiarize yourself with the gauge's components, including the main body, the adjustable arm, the solid brass knob, and the imperial scale markings.

OPERATING INSTRUCTIONS

This section details the steps for using your JessEm Large Imperial Tool Setting Gauge to achieve precise height and depth measurements.

Adjusting the Gauge

1. **Loosen the Knob:** To adjust the height or depth, gently loosen the solid brass knob located on the side of the gauge. This will allow the adjustable arm to move freely.
2. **Position the Gauge:** Place the base of the gauge on the reference surface (e.g., router table top, table saw top).
3. **Set Measurement:** Raise or lower the adjustable arm until the desired measurement on the imperial scale aligns with the top of your router bit, saw blade, or other tool. The gauge features micro-detents, allowing for precise 1/16-inch increments for fine adjustments.
4. **Tighten the Knob:** Once the desired measurement is set, tighten the solid brass knob to secure the adjustable arm in place. This ensures the measurement remains stable during use.

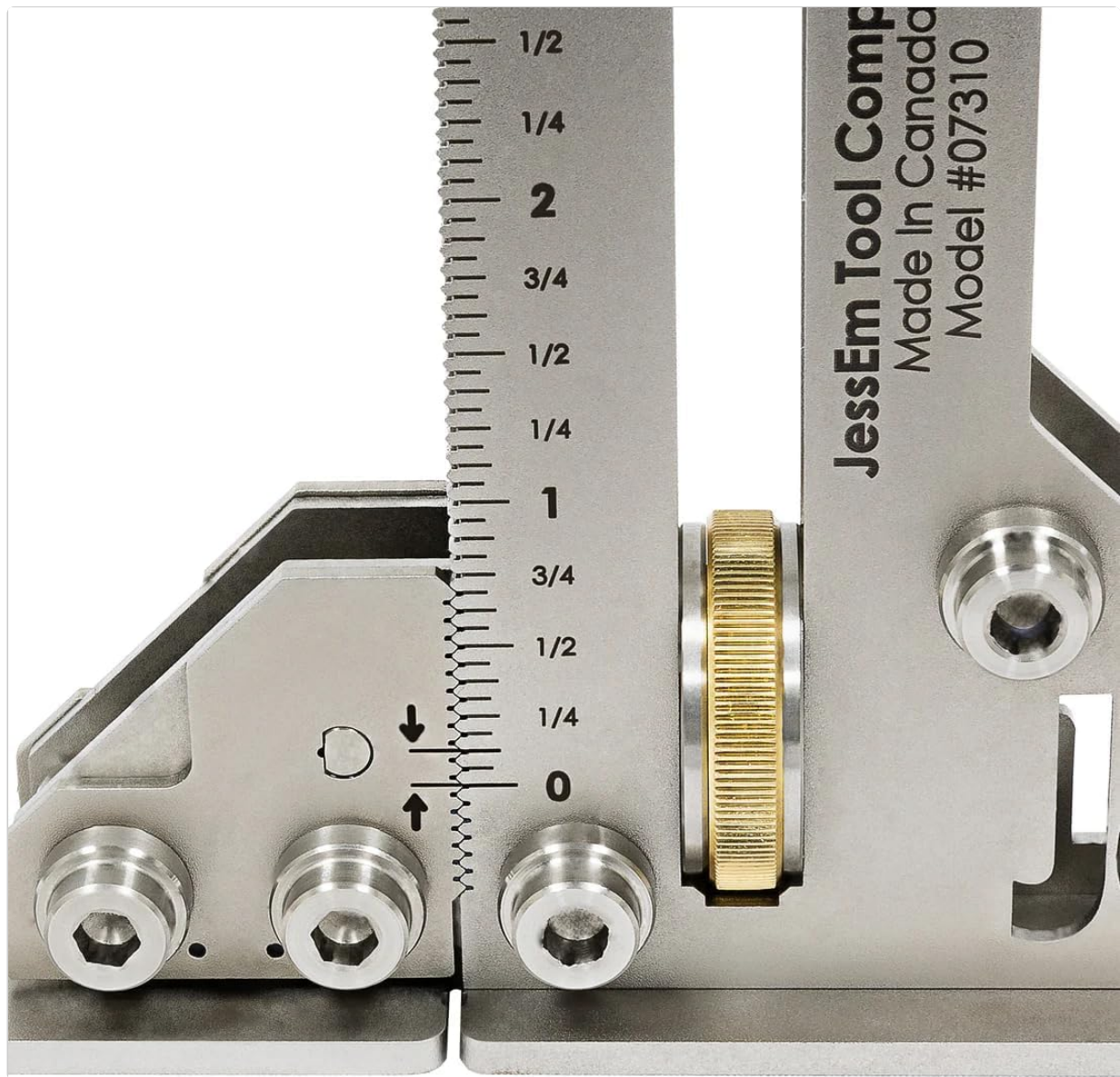


Figure 2: Close-up view of the imperial scale and micro-detents for precise adjustments.

Vertical and Horizontal Use

The JessEm Large Imperial Tool Setting Gauge is designed for maximum versatility and can be used in both vertical and horizontal orientations.

- **Vertical Use:** Typically used for setting the height of router bits or saw blades from a flat surface. Place the gauge upright on the table.
- **Horizontal Use:** Can be laid flat to measure depths or distances from an edge. This is useful for setting fence distances or other horizontal measurements.



Figure 3: The gauge can be positioned at various angles for versatile measurement applications.

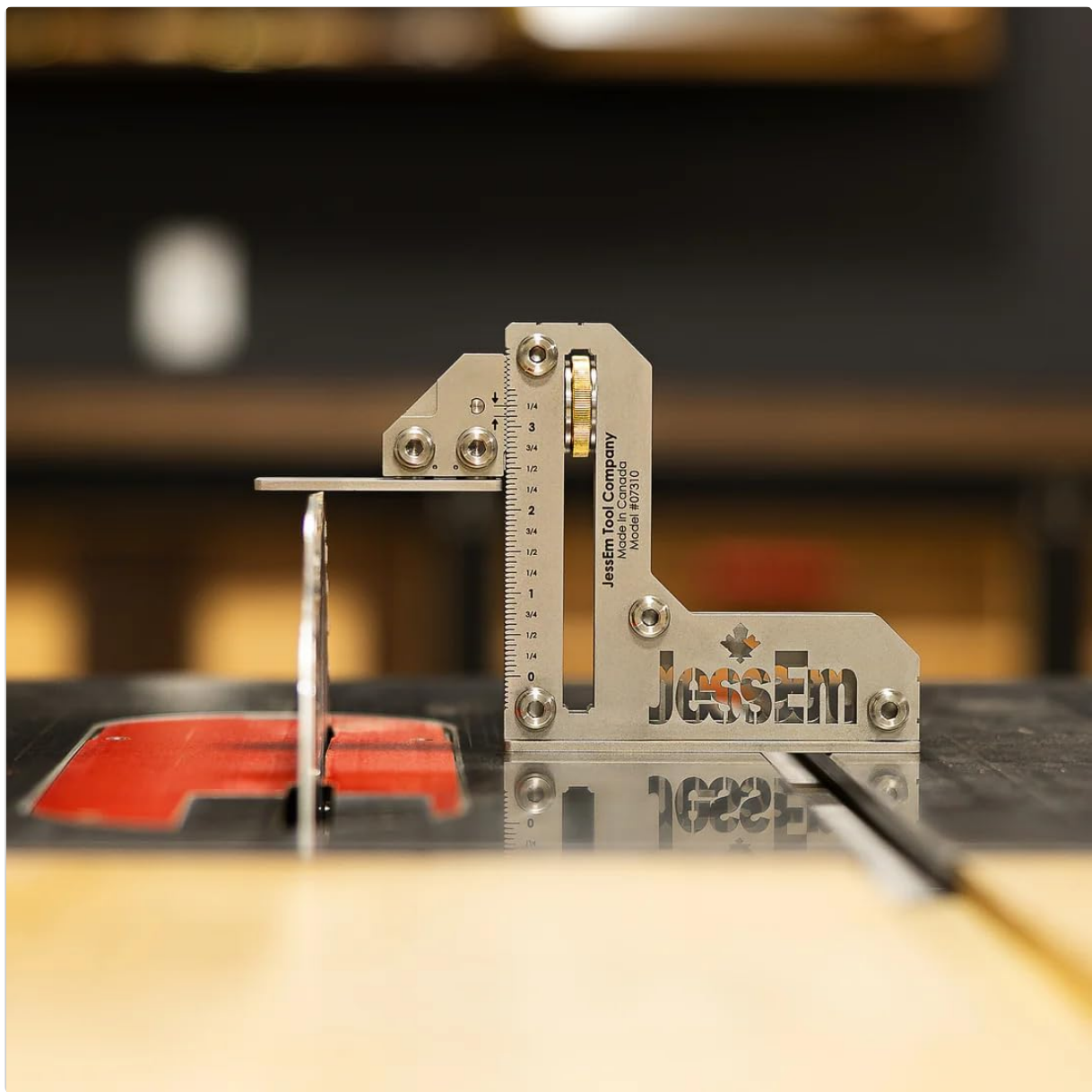


Figure 4: Example of the gauge being used to set the height of a table saw blade.

Maximum Travel

The gauge offers a maximum travel of 3-3/8 inches, providing a wide measuring range suitable for various woodworking tasks, from small detail work to larger projects.

MAINTENANCE

Proper maintenance will ensure the longevity and accuracy of your JessEm Large Imperial Tool Setting Gauge.

- **Cleaning:** After each use, wipe the gauge with a clean, dry, soft cloth to remove sawdust, oils, or other residues. Avoid using abrasive cleaners or solvents that could damage the finish or markings.
- **Storage:** Store the gauge in a dry environment, away from excessive moisture or extreme temperatures. Keeping it in a protective case or drawer will prevent scratches and dings.
- **Lubrication:** Periodically, a very small amount of light machine oil can be applied to the moving parts (e.g., the adjustable arm slide) to ensure smooth operation. Wipe off any excess oil.
- **Calibration Check:** While the gauge is designed for precision, it's good practice to occasionally check its accuracy against a known standard ruler or measuring device.

TROUBLESHOOTING

This section addresses common issues you might encounter with your tool setting gauge.

Problem	Possible Cause	Solution
Gauge arm is stiff or difficult to move.	Accumulation of dust/debris; lack of lubrication.	Clean the sliding mechanism thoroughly. Apply a small amount of light machine oil to the sliding surfaces.
Inaccurate measurements.	Gauge not properly tightened; debris on measuring surface; gauge is damaged.	Ensure the brass knob is tightened securely after setting. Clean the base and measuring arm. If damage is suspected, contact JessEm support.
Brass knob is loose or doesn't hold.	Worn threads or internal mechanism.	Inspect the knob and its threading. If worn, contact JessEm support for replacement parts or service.

SPECIFICATIONS

Feature	Detail
Model Number	07310
Material	14-Gauge Stainless Steel
Measurement System	Imperial
Max Travel	3-3/8 inches
Adjustment Increments	1/16-inch (micro-detents)
Item Weight	2.1 pounds
Package Dimensions	10.59 x 6.77 x 2.24 inches
Power Source	Hand-powered
Included Components	Tool Setting Gauge
Manufacturer	JessEm
Country of Origin	Canada


WARRANTY AND SUPPORT

Specific warranty details for the JessEm Large Imperial Tool Setting Gauge are not provided within this manual. For information regarding warranty coverage, product support, or to purchase replacement parts, please visit the official JessEm website or contact their customer service directly.

You can find more information and contact details on the [JessEm Store on Amazon](#) or the manufacturer's official website.

TA FENCE

Owners Manual: Model #04500



JessEm

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[JessEm TA Fence #04500 Owners Manual](#)

Owners manual for the JessEm TA Fence Model #04500, detailing assembly, operation, safety, and features of this precision woodworking tool accessory.

Documents - JessEm – 07310

Stainless Steel Tool Setting Gauge

Model #07310 (Large Imperial)


Model #07311 (Small Imperial)

Model #07312 (Imperial Combo Pack)

Model #07315 (Large Metric)

Model #07316 (Small Metric)

Model #07317 (Metric Combo Pack)



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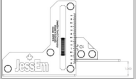
Fax: 705-327-0295

Website: www.jessem.com

Thank you for choosing this product from JessEm Tool Company. We appreciate your support and hope that our product serves you well. This product is designed to provide many years of reliable service provided it is used as intended and taken care of.

When using the tool setting gauge to set any tool, ensure that the tool is turned off and the power source is disconnected before adjustment. Ensure the gauge is not contacting the tool when turned back on.

Your tool setting gauge is adjustable either in 1/32" increments (imperial), or 1 mm increments (metric). Use the bottom reference line with the scale for setting the distance between the lower edge of the blade and the base of the gauge. Use the upper reference line with the scale to set the distance between the upper edge of the blade and the gauge base. (See diagram below)



Use lower reference line against scale for setting distance between the lower blade and the base.

Use upper reference line against scale for setting distance between the upper blade and the base.

[\[pdf\] User Manual](#)

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