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› Starrett Micrometer Head H823C/D/E Instruction Manual

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Starrett Micrometer Head H823C/D/E Instruction Manual

Model: H823C/D/E | Brand: Starrett

1. PRODUCT OVERVIEW

The Starrett Micrometer Head H823C/D/E is a precision measuring instrument designed for use with Starrett 823C, 823D, and 823E Inside Micrometers. It features a hardened and ground head anvil and a lock nut, enabling quick, easy, and accurate adjustments for various measurement applications. This tool is engineered for durability and reliable performance, upholding Starrett's long-standing commitment to quality and precision in industrial and professional settings.



Figure 1: Starrett Micrometer Head H823C/D/E. This image shows the complete micrometer head with its thimble, sleeve, and anvil, ready for integration into an inside micrometer.

2. SAFETY INFORMATION

Always handle precision measuring tools with care to prevent damage and maintain accuracy. Keep the micrometer head clean and free from debris. Avoid dropping the instrument or subjecting it to excessive force, as this can affect its calibration and performance. Store the micrometer head in its protective case when not in use.

3. SETUP

The H823C/D/E Micrometer Head is designed to be integrated with Starrett 823C, 823D, and 823E Inside Micrometers. Follow these steps for proper setup:

1. **Unpacking:** Carefully remove the micrometer head from its packaging. Inspect for any visible damage.
2. **Cleaning:** Before first use, gently wipe the micrometer head with a clean, lint-free cloth. A small amount of instrument

cleaning fluid can be used if necessary, but avoid harsh chemicals.

3. **Attachment:** Refer to the instruction manual of your specific Starrett 823C, 823D, or 823E Inside Micrometer for detailed steps on how to securely attach the micrometer head. Ensure it is firmly seated and aligned to prevent measurement errors.
4. **Zero Check:** Once attached, perform a zero check according to your inside micrometer's instructions to ensure accurate readings.

INSIDE MICROMETERS

MICROMETER HEAD

FEATURES AND SPECIFICATIONS

- ✓ Head Anvil is Hardened and Ground
- ✓ Lock nut
- ✓ It has an excellent service life and outstanding work performance
- ✓ Designed to be user-friendly. Whether you're an experienced professional or an amateur when it comes to home improvement, our tools are handy and accessible.



Starrett®

Figure 2: Key features of the Starrett Micrometer Head. This image highlights the hardened and ground head anvil and the lock nut, essential components for precise and stable measurements.

4. OPERATING INSTRUCTIONS

Using the Starrett Micrometer Head for accurate measurements requires careful handling and proper technique. These instructions assume the micrometer head is correctly attached to a compatible Starrett Inside Micrometer.

1. **Holding the Micrometer:** Hold the inside micrometer firmly but gently. Ensure your hands do not obstruct the measuring faces or the thimble.

- # INSIDE MICROMETERS



HARDENED AND GROUND ANVILS

5. MAINTENANCE

Proper maintenance extends the life and maintains the accuracy of your Starrett Micrometer Head.

- **Cleaning:** After each use, wipe all surfaces of the micrometer head with a clean, soft, lint-free cloth. If necessary, use a small amount of instrument cleaning fluid. Avoid abrasive materials or solvents that could damage the finish or markings.
- **Lubrication:** The spindle and thimble mechanism are factory lubricated. Do not over-lubricate. If lubrication is required after extensive use, apply a very thin film of high-quality instrument oil to the spindle, avoiding the measuring faces.
- **Storage:** Store the micrometer head in its original protective case or a designated storage area when not in use. Ensure it is clean and dry. Avoid storing in environments with extreme temperature fluctuations, high humidity, or corrosive fumes.
- **Calibration Check:** Periodically check the calibration of your micrometer head in conjunction with your inside micrometer. If discrepancies are found, refer to your inside micrometer's manual for adjustment procedures or contact a qualified calibration service.

6. TROUBLESHOOTING

This section addresses common issues you might encounter with your micrometer head.

Problem	Possible Cause	Solution
Inaccurate Readings	• Improper zero setting • Dirt or debris on measuring faces • Damage to anvil or spindle • Temperature variations	• Perform a zero check and adjust if necessary. • Clean measuring faces thoroughly. • Inspect for damage; if significant, contact Starrett service. • Allow tool to acclimate to ambient temperature.
Thimble is Stiff or Gritty	• Accumulated dirt or dust • Lack of lubrication	• Clean the spindle and thimble area. • Apply a very small amount of instrument oil to the spindle.
Lock Nut Not Holding	• Worn threads • Debris in threads	• Clean threads. • If worn, contact Starrett service for repair or replacement.

7. SPECIFICATIONS

Feature	Detail
Model Number	H823C/D/E
Brand	Starrett
Compatibility	Starrett 823C, 823D, 823E Inside Micrometers
Graduation	.001"
Anvil Type	Hardened and Ground Head Anvil
Features	Lock Nut for secure measurements

Feature	Detail
Product Dimensions	5.4 x 1.7 x 0.8 inches; 1.6 ounces (as per product data)
Material	High Speed Steel (Blade Material, but likely refers to components)
Power Source	Manual

8. WARRANTY AND SUPPORT

Starrett products are manufactured to the highest standards of quality and workmanship. For specific warranty information, please refer to the documentation included with your original purchase or visit the official Starrett website. For technical support, service, or replacement parts, please contact Starrett customer service directly.

Starrett Official Website: www.starrett.com

Included Components: Product & Instructions Guide

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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

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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