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> [ckpsms Shuttle Hook #8603 and Bobbins #8604 Instruction Manual for Singer 29K Series Sewing Machines](#)

### ckpsms 8603, 8604

# ckpsms Shuttle Hook #8603 and Bobbins #8604 Instruction Manual

For Singer 29K Series Industrial Sewing Machines

Brand: ckpsms

## 1. INTRODUCTION

This manual provides instructions for the installation, operation, and maintenance of the ckpsms Shuttle Hook #8603 and Bobbins #8604 set. This product is designed as a replacement part for various Singer 29K series industrial sewing machines, ensuring proper thread management and stitch formation.

## 2. PRODUCT OVERVIEW AND PACKAGE CONTENTS

The ckpsms Shuttle Hook and Bobbins set includes the following components:

- 1 x Shuttle Hook (Part #8603)
- 20 x Bobbins (Part #8604)



Figure 1: The complete set, including one shuttle hook and twenty bobbins, neatly organized within a transparent plastic storage box for convenience and protection.

### 3. SPECIFICATIONS

- **Shuttle Hook Diameter:** 16mm
- **Bobbin Diameter:** 15.8mm (5/8 inch)
- **Bobbin Depth:** Approximately 5.7mm (7/32 inch)

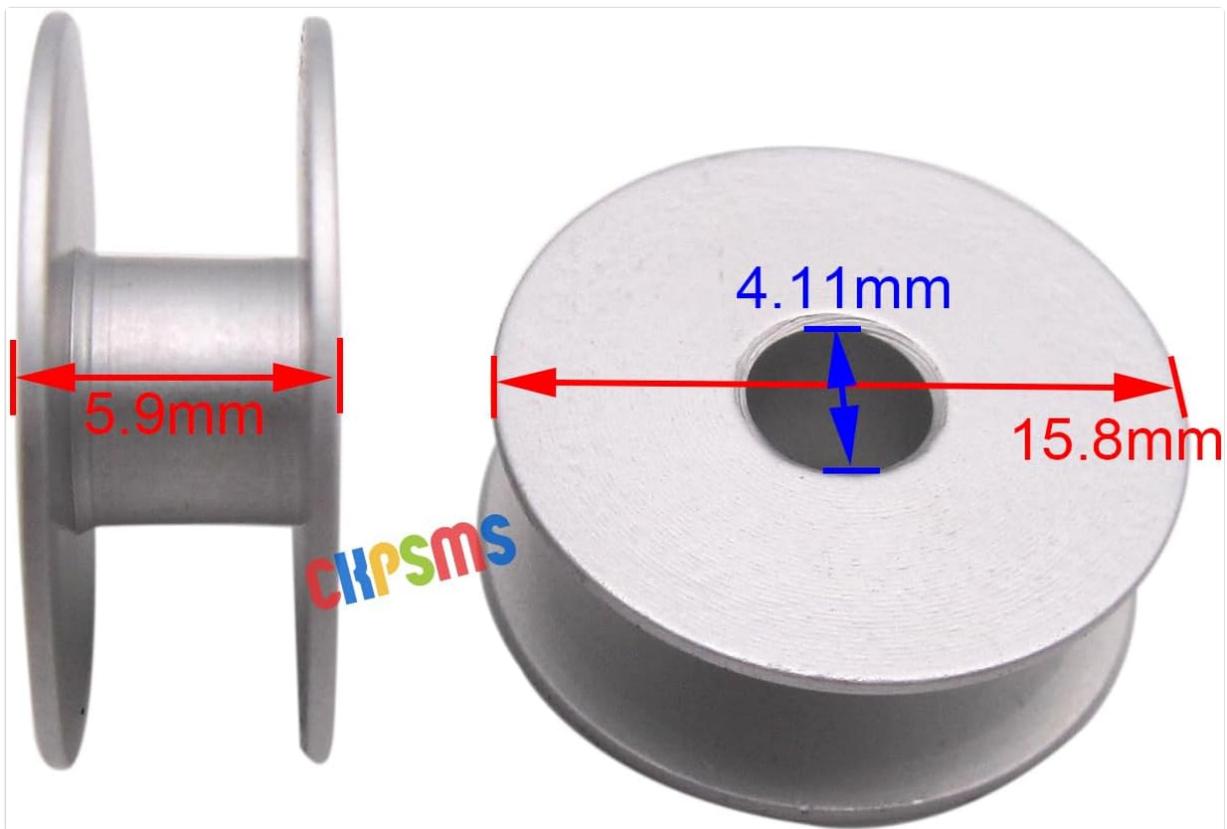


Figure 2: A close-up view of the bobbin, illustrating its precise dimensions: 15.8mm (5/8 inch) in diameter and 5.9mm (approximately 7/32 inch) in depth. The central hole diameter is 4.11mm.

**Only for small bobbins with  
diameter 5/8" and height 7/32"**



Figure 3: A clear front view of the shuttle hook, highlighting its design and the opening where the bobbin is inserted. This hook is designed for small bobbins with a 5/8 inch diameter and 7/32 inch height.

#### **4. COMPATIBILITY**

This shuttle hook and bobbin set is compatible with Singer industrial sewing machines that utilize small bobbins. Compatible models include, but are not limited to, the following:

- Singer 29-1
- Singer 29K Series: 29K2, 29K3, 29K4, 29K10, 29K11, 29K12, 29K13, 29K14, 29K16, 29K17, 29K18, 29K21, 29K22, 29K23, 29K30, 29K31, 29K32, 29K33, 29K51, 29K53, 29K55, 29K56, 29K70, 29K71, 29K72, 29K73

- Singer 29K171
- Singer 29U171A
- Singer 29U173A

Please verify your sewing machine's model number and existing bobbin/shuttle hook specifications to ensure compatibility before installation.

## 5. INSTALLATION AND SETUP

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Proper installation of the shuttle hook and bobbins is crucial for optimal sewing machine performance. Refer to your sewing machine's specific manual for detailed instructions on accessing and replacing the shuttle hook and bobbin case area. The general steps are as follows:

1. **Power Off:** Ensure the sewing machine is turned off and unplugged from the power source for safety.
2. **Access Bobbin Area:** Open the bobbin case cover or access panel on your Singer 29K series machine.
3. **Remove Old Components:** Carefully remove the old shuttle hook and any remaining bobbin or bobbin case. Inspect the area for any lint or debris and clean thoroughly.
4. **Insert New Shuttle Hook:** Position the new ckpsms Shuttle Hook #8603 into its designated slot. Ensure it sits securely and correctly according to your machine's design.
5. **Insert Bobbin:** Place a wound bobbin (Part #8604) into the shuttle hook. Ensure the thread unwinds in the correct direction as specified by your machine's manual.
6. **Close Access:** Close the bobbin case cover or access panel.



Figure 4: This image shows the shuttle hook and a bobbin correctly positioned within the bobbin case area of a Singer 29K series industrial sewing machine, ready for operation.



Figure 5: This image displays the shuttle hook with one of the compatible bobbins correctly placed inside, demonstrating how the components fit together before installation into the sewing machine.

## 6. OPERATING INSTRUCTIONS

Once the shuttle hook and bobbin are correctly installed, ensure the machine is properly threaded according to your Singer 29K series manual. The bobbins are designed for smooth unwinding within the shuttle hook, contributing to consistent stitch quality.

- **Bobbin Winding:** If your machine has a bobbin winder, use it to fill the bobbins evenly with your desired thread. Avoid overfilling, as this can cause tension issues.
- **Thread Path:** Ensure the bobbin thread is correctly guided through any tension springs or slots within the shuttle hook or bobbin case before closing the cover.
- **Test Stitching:** Before starting a project, perform test stitches on a scrap piece of fabric to verify proper tension and stitch formation.

## 7. MAINTENANCE

Regular maintenance of your shuttle hook and bobbins will extend their lifespan and ensure consistent sewing performance.

- **Cleaning:** Periodically remove the shuttle hook and bobbins. Use a small brush or compressed air to remove lint, dust, and thread fragments from the shuttle hook, bobbin area, and bobbin case. Accumulation of debris can affect thread tension and cause skipped stitches.
- **Lubrication:** Refer to your sewing machine's manual for specific lubrication points around the shuttle

hook area. Apply a small drop of high-quality sewing machine oil as recommended.

- **Inspection:** Regularly inspect the shuttle hook for any signs of wear, burrs, or damage that could snag thread. Check bobbins for bends or deformities. Replace damaged components promptly.

## 8. TROUBLESHOOTING

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If you encounter issues after installing the new shuttle hook and bobbins, consider the following common troubleshooting steps:

- **Thread Breakage:** Check if the bobbin is correctly inserted and unwinding smoothly. Ensure there are no burrs on the shuttle hook that could be snagging the thread. Verify upper thread tension.
- **Skipped Stitches:** Confirm the shuttle hook is properly seated and timed with the needle. Ensure the needle is inserted correctly and is the appropriate type and size for your fabric and thread.
- **Uneven Stitches/Tension Issues:** Re-thread both the upper and bobbin threads completely. Ensure the bobbin thread is correctly routed through any tension mechanisms in the shuttle hook or bobbin case.
- **Bobbin Not Fitting:** Double-check that you have the correct bobbin size (15.8mm diameter, 5.7mm depth) for your machine. While these bobbins are compatible with listed models, slight variations in older machines can sometimes occur.

For persistent issues, consult your sewing machine's comprehensive troubleshooting guide or seek assistance from a qualified sewing machine technician.

## 9. SUPPORT

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For further assistance or inquiries regarding your ckpsms Shuttle Hook #8603 and Bobbins #8604, please refer to the seller's contact information or visit the official ckpsms store on Amazon:

[Visit the ckpsms Store on Amazon](#)

Always ensure you are purchasing genuine ckpsms parts for guaranteed compatibility and quality.