

## Ricar CB270mm

# Ricar Sewing Machine Cogged Teeth Gear Motor Belt CB270mm User Manual

## 1. INTRODUCTION

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This manual provides essential information for the proper installation, operation, and maintenance of your Riccar Sewing Machine Cogged Teeth Gear Motor Belt, model CB270mm. Adhering to these instructions will help ensure the longevity and optimal performance of the belt and your sewing machine.

This belt is specifically designed for Riccar sewing machine models including: **2800, 2900, 2910, 2925, 2950, 3300, 3400, 3500, 3600, R551, R650, R750**. The belt may also be identified by part numbers MB-270 or CB270mm.

## 2. PRODUCT OVERVIEW

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The Riccar CB270mm is a positraction cogged teeth gear belt, measuring 10 5/8 inches (270mm) in length. It is designed to transmit power efficiently from the motor to the sewing machine's internal mechanisms, ensuring smooth and consistent operation.



Image 1: Riccar Sewing Machine Cogged Teeth Gear Motor Belt CB270mm. This image displays the cogged belt, highlighting its design for secure power transmission.

### 3. SPECIFICATIONS

Specification	Detail
Brand	Riccar
Model Number	CB270mm (also MB-270)
Belt Style	Cogged Belt (Positraction)
Length	10 5/8 inches (270mm)
Compatible Devices	Riccar Sewing Machines (Models: 2800, 2900, 2910, 2925, 2950, 3300, 3400, 3500, 3600, R551, R650, R750)
Item Weight	Approximately 0.99 Pounds (15.8 ounces)
Product Dimensions	10.63"L x 10.63"W (referring to the belt's overall dimension when laid flat)

### 4. INSTALLATION INSTRUCTIONS

**Warning:** Always unplug your sewing machine from the power outlet before performing any maintenance or installation to prevent electric shock or injury.

- 1. Prepare the Machine:** Unplug the sewing machine. Remove any covers or panels necessary to access the motor and drive belt area. Refer to your specific sewing machine's user manual for detailed instructions on accessing these components.
- 2. Remove the Old Belt:** Carefully inspect how the old belt is routed around the motor pulley and the machine's handwheel or drive pulley. If the old belt is still intact, gently pry it off the pulleys. If it is broken, remove all fragments.

3. **Clean the Pulleys:** Use a clean, dry cloth to wipe down both the motor pulley and the machine's drive pulley. Ensure there is no grease, oil, or debris that could affect the new belt's grip.
4. **Install the New Belt:** Start by placing the new CB270mm belt around the smaller motor pulley. Then, stretch the belt over the larger handwheel/drive pulley. This may require some gentle force. Ensure the cogged teeth of the belt align correctly with the grooves on both pulleys.
5. **Check Tension:** Once installed, the belt should be snug but not overly tight. It should have a small amount of give (approximately 1/4 to 1/2 inch) when pressed firmly in the middle. If the belt is too tight, it can strain the motor and bearings; if too loose, it will slip.
6. **Reassemble and Test:** Replace all covers and panels. Plug the machine back in and test its operation at various speeds to ensure the belt runs smoothly without slipping or making unusual noises.

## 5. MAINTENANCE

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Regular maintenance of your sewing machine belt can extend its lifespan and maintain machine performance.

- **Regular Inspection:** Periodically inspect the belt for signs of wear, cracking, fraying, or stretching. Replace the belt if any damage is observed.
- **Keep Clean:** Ensure the belt and pulleys remain free of lint, dust, and oil. Accumulation can cause the belt to slip or wear prematurely.
- **Proper Storage:** If storing the machine for an extended period, consider loosening the belt tension slightly or removing the belt to prevent it from deforming under constant tension.

## 6. TROUBLESHOOTING

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If you encounter issues with your sewing machine related to the drive belt, consider the following:

- **Belt Slipping:** If the machine runs but the needle does not move, or moves slowly, the belt may be too loose or worn. Check the tension and inspect for wear. Clean the pulleys if they are greasy.
- **Unusual Noise:** A squealing or grinding noise could indicate a worn belt, incorrect tension, or debris caught in the pulleys. Inspect and adjust as necessary.
- **Machine Not Starting:** After checking the power supply, ensure the belt is properly seated on both pulleys and is not broken.

If these steps do not resolve the issue, consult a qualified sewing machine technician.

## 7. IMPORTANT SAFETY INFORMATION

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- Always unplug the sewing machine before cleaning, lubricating, or performing any maintenance.
- Keep fingers away from all moving parts, especially the needle, handwheel, and belt area, during operation.
- Use only genuine replacement parts or parts specifically recommended by the manufacturer for your machine model.
- Do not operate the machine if the belt cover or any other safety guard is removed or damaged.

## 8. GENERAL INFORMATION AND RELATED PRODUCTS

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The following video provides a general overview of various sewing machine parts and accessories offered by the seller. While not specific to the installation of the Riccar CB270mm belt, it may offer broader context on sewing machine components.

Your browser does not support the video tag.

Video 1: CKPSMS - All Kinds of Sewing Machine Parts. This video showcases a range of sewing machine parts and accessories from the seller CKPSMS OFFICAL.

## **9. WARRANTY AND SUPPORT**

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For warranty information regarding your Riccar Sewing Machine Cogged Teeth Gear Motor Belt CB270mm, please refer to the documentation provided at the time of purchase or contact the seller directly. For technical support or further assistance, please reach out to the product's manufacturer or an authorized service center.