

Elna 664 PRO

Elna eXtend 664P V2 Overlock Serger Machine User Manual

Model: 664 PRO

1. INTRODUCTION AND OVERVIEW

The Elna eXtend 664P V2 Overlock Serger Machine, model 664 PRO, is designed for efficient and precise fabric finishing. This machine is capable of neatly cutting, hemming, and sewing various fabrics, including stretch materials, while preventing loose threads. It is an essential tool for creating professional-quality garments and projects with speed and ease.

This manual provides detailed instructions for the safe operation, setup, maintenance, and troubleshooting of your Elna eXtend 664P V2 serger.



Figure 1.1: Elna eXtend 664P V2 Overlock Serger Machine. This image displays the front view of the Elna 664 PRO serger. Visible features include the threading guides with color-coded tension dials (blue, red, yellow, green), the stitch program chart on the left panel, and the main working area with the needle and looper mechanisms. The machine is white with the "664 PRO elna SWISS DESIGN" logo on the lower right.

2. SAFETY INFORMATION

Always observe the following safety precautions when operating your serger:

- Ensure the machine is unplugged from the power outlet before cleaning, lubricating, or performing any maintenance.
- Keep fingers away from all moving parts, especially the needle, looper, and cutting knife, while the machine is in operation.
- Use only the specified power supply and foot control provided with the machine.
- Do not operate the machine if the power cord or plug is damaged.
- Keep the work area well-lit and free from clutter.
- This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.

3. SETUP

3.1. Unpacking and Initial Inspection

Carefully remove the serger from its packaging. Retain all packing materials for future storage or transport. Inspect the machine for any visible damage. Ensure all accessories are present as listed in the packing contents.

3.2. Power Connection

1. Place the machine on a stable, flat surface.
2. Connect the foot control plug to the machine's receptacle.
3. Plug the power cord into a suitable electrical outlet.

3.3. Accessory Identification

Your Elna eXtend 664P V2 comes with a comprehensive set of accessories to enhance your sewing experience. These include:

- Lint Brush
- Snap-on Thread Guide
- Needle Threader
- Tension Release Clip
- Screwdriver (Large)
- Screwdriver (Small)
- Spanner
- Spool Caps (x4)
- Spool Holders (x4 Cones)
- Spool Nets (x4)
- Spreader (for 2 Thread Overlock)
- Standard Foot
- Tweezers
- Upper Knife (Spare)
- Waste Chip Box
- Exclusive Elna Accessory Box
- Foot Control

3.4. Threading the Machine

Proper threading is critical for optimal serger performance. The Elna 664 PRO features color-coded threading paths to simplify the process. Always follow the numerical and color-coded sequence indicated on the machine.

1. Raise the presser foot and the needle to their highest positions.
2. Open the front cover of the machine.
3. Follow the color-coded guides for each thread (typically lower looper, upper looper, right needle, left needle).
4. Ensure threads are seated correctly in all tension discs and guides.
5. Use the provided tweezers to assist with threading the loopers and needles.

4. OPERATING INSTRUCTIONS

4.1. Stitch Program Selection

The Elna 664 PRO offers a variety of stitch programs, indicated on the "PROGRAM" chart on the machine's front panel. Refer to this chart to select the appropriate stitch for your project. The chart includes settings for stitch length (SL), differential feed (DF), and stitch type (ST).

Table 4.1: Stitch Program Overview (Refer to machine panel for full details)

Program No.	Stitch Type	Description	Threads
1	Safety 4 Thread	Strong, secure seam for woven fabrics.	4
2	Stretch Knit	Flexible seam for knit fabrics.	4
3	Gathering	Creates gathers on fabric.	4
4	Stretch Wrapped	Specialized stretch seam.	3
5	3 Thread Wide	Wide overlock stitch.	3
6	3 Thread	Standard 3-thread overlock.	3
7	Narrow Hem 3	Narrow hem with 3 threads.	3
8	Rolled Hem 3	Rolled hem with 3 threads.	3
9	Rolled Hem 2	Rolled hem with 2 threads.	2
10	Overcast 2	2-thread overcast stitch.	2
11	Flatlock 2	Flatlock stitch with 2 threads.	2
12	Flatlock 3	Flatlock stitch with 3 threads.	3

4.2. Tension Adjustment

The tension dials, located at the top of the machine and color-coded to match the threading paths, control the tightness of each thread. Adjust these dials according to the fabric type and desired stitch appearance. Generally, a balanced stitch will have threads meeting smoothly at the fabric edge.

4.3. Differential Feed

The differential feed mechanism allows you to adjust the feeding of fabric to prevent stretching or puckering. Use a higher differential feed setting for stretchy fabrics to prevent stretching, and a lower setting (or 1.0 for normal) for gathering or to prevent puckering on fine fabrics.

4.4. Stitch Length and Cutting Width

Adjust the stitch length using the dial on the right side of the machine. The cutting width can also be adjusted to ensure the fabric edge is trimmed precisely for a clean finish.

5. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your Elna serger. Always unplug the machine before performing any maintenance.

5.1. Cleaning

- Use the provided lint brush to remove lint and thread scraps from the looper area, under the needle plate, and around the feed dogs.

- Empty the waste chip box regularly to prevent accumulation of fabric trimmings.
- Wipe the exterior of the machine with a soft, dry cloth. Do not use harsh chemicals or abrasive cleaners.

5.2. Lubrication

Refer to the full operational manual for specific lubrication points and recommended oil. Generally, a few drops of high-quality sewing machine oil should be applied to moving metal parts as indicated.

5.3. Needle Replacement

Replace needles regularly (every 8-10 hours of sewing or after every major project) or if they become bent, dull, or broken. Use only needles specified for serger machines. Ensure the flat side of the needle faces the back of the machine when inserting.

5.4. Upper Knife Replacement

The upper knife may become dull over time. Use the provided spanner and spare upper knife to replace it when necessary. Ensure the new knife is securely fastened and correctly aligned.

6. TROUBLESHOOTING

This section addresses common issues you might encounter. For more complex problems, consult a qualified service technician.

Table 6.1: Common Troubleshooting Guide

Problem	Possible Cause	Solution
Skipped Stitches	Incorrect needle, bent needle, improper threading, dull needle.	Replace needle with correct type, re-thread machine, replace dull needle.
Broken Thread	Incorrect threading, tension too tight, poor quality thread, burr on thread path.	Re-thread carefully, adjust tension, use good quality thread, check for burrs.
Uneven Stitches / Puckering	Incorrect tension, incorrect differential feed setting, wrong stitch length.	Adjust tension dials, adjust differential feed, adjust stitch length.
Machine Not Starting	Power cord not plugged in, foot control not connected, safety switch engaged.	Check all connections, ensure front cover is closed if it has a safety switch.

7. SPECIFICATIONS

Key specifications for the Elna eXtend 664P V2 Overlock Serger Machine:

- **Model Number:** 664 PRO
- **Product Dimensions:** 11.81 x 13.78 x 12.99 inches
- **Item Weight:** 18.46 pounds
- **Manufacturer:** Elna
- **Color:** Silver
- **Power Source:** Electric
- **Stitch Types:** 2, 3, and 4-thread overlock stitches, including rolled hem, flatlock, and safety stitches.

8. WARRANTY AND SUPPORT

For information regarding warranty coverage, please refer to the warranty card included with your purchase or contact

Elna customer support directly. Keep your proof of purchase for warranty claims.

For technical assistance, spare parts, or service, please contact your authorized Elna dealer or visit the official Elna website for support contact information. When contacting support, please have your machine's model number (664 PRO) and serial number ready.





Note: Unauthorized repairs or modifications may void your warranty.

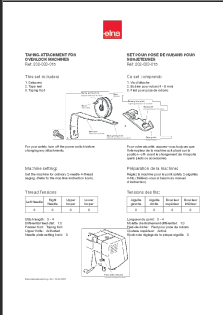


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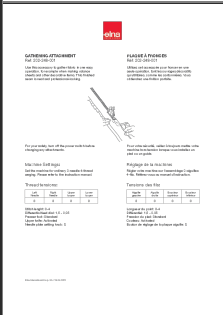
Related Documents - 664 PRO

	<p>Elna eXtend 664 Overlock Machine: Instruction Manual</p> <p>This comprehensive instruction manual for the Elna eXtend 664 overlock sewing machine covers preparation, threading, test stitching, maintenance, and troubleshooting. Learn to operate your machine safely and effectively.</p>
	<p>Elna eXtend 664PRO Overlock Sewing Machine Instruction Manual</p> <p>Comprehensive instruction manual for the Elna eXtend 664PRO overlock sewing machine. Covers setup, operation, threading, maintenance, and troubleshooting with safety guidelines in English, French, and German.</p>
	<p>Elna eXtend 664PRO Overlock Sewing Machine: Instruction Manual & Guide</p> <p>Comprehensive guide for the Elna eXtend 664PRO overlock sewing machine, covering setup, operation, stitch types, tension adjustments, maintenance, and troubleshooting for optimal sewing results.</p>
	<p>Elna eXtend easycover Instruction Manual</p> <p>Comprehensive instruction manual for the Elna eXtend easycover sewing machine, detailing setup, operation, stitch types, maintenance, and troubleshooting.</p>



[Elna Taping Attachment for Overlock Machines - Instructions and Settings](#)

Detailed instructions and settings for the Elna 202-033-015 Taping Attachment for Overlock Machines. This guide covers product contents, safety precautions, machine preparation, thread tensions, stitch settings, and step-by-step attachment instructions. Content is presented in English, merging information from French, German, and Spanish versions.



[Elna 202-248-001 Gathering Attachment: Instructions and Usage Guide](#)

Learn how to attach and use the Elna 202-248-001 Gathering Attachment for your sewing machine. This guide provides step-by-step instructions, machine settings, and sewing tips for creating professional-looking gathered seams.