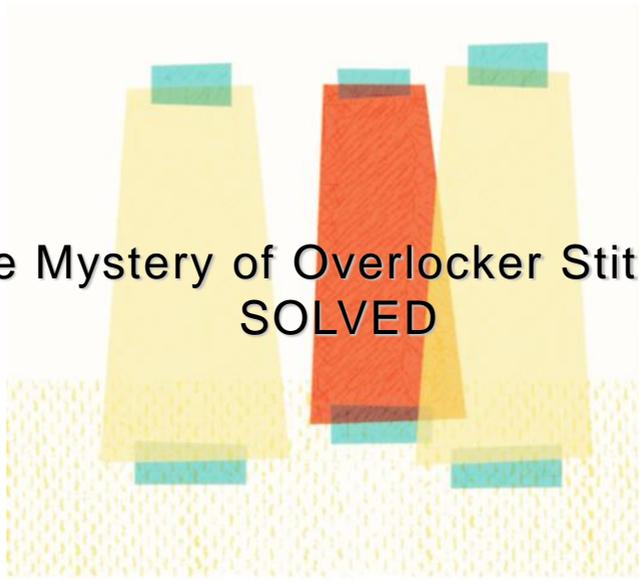


# The Mystery of Overlocker Stitches SOLVED



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## BERNINA and bernette Overlockers

What overlocker machines are available and what stitches they can perform

- L 890
  - 2, 3, 4, 5 thread combo machine
  - One-step BERNINA Air Threader
- L 850
  - Overlock machine
  - Air threading
- L 460
  - Overlock machine
- L 450
  - Overlock machine
- b 64
  - 2, 3, 4 thread overlock machine
  - bernette airlock
- b 48
  - bernette combo machine
- b 44
  - bernette overlock machine
- b 42
  - bernette coverstitch machine



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## Threading, Thread Tensions, and Machine Setup

Threading/Tension Settings				
LN	RN	UL	LL	CL
4.0	4.0	4.0	4.0	-

→ Left needle, right needle, upper looper, lower looper, and chain looper

Machine Setup				
O/R	ULC	CW	SL	DF
O	-	6.0	2.5	1.0

→ Rolled hem selection lever, upper looper converter, cutting width, stitch length, and differential feed



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## Overlock Stitches



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## 4-Thread Overlock with Integrated Safety Seam



Threading/Tension Settings				
LN	RN	UL	LL	CL
4.0	4.0	4.0	4.0	-

Machine Setup				
O/R	ULC	CW	SL	DF
O	-	6	2.5	1.0



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## Uses & Applications

- Flexibility for knits
- Strength in seams during wear and tear
- Bulky materials
  - Quilting
  - Garment sewing



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## 3-Thread Overlock Wide (LN) & Narrow (RN)



Threading/Tension Settings				
LN	RN	UL	LL	CL
(4.0)	(4.0)	4.0	4.0	-

Machine Setup				
O/R	ULC	CW	SL	DF
O	-	6/6	2.5	1.0



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## Uses & Applications

- Wide stitch is great for bulkier materials
  - Strong wovens, long pile, furry fabrics
- Narrow stitch suitable for finer, lighter weight materials
- Greater flexibility in the stitch with less bulk than 4-thread overlock
  - Patchwork piecing for quilting
  - Piping and attaching lace for home décor
  - Blindhems for garments



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## 2-Thread Overlock Wide (LN) & Narrow (RN)



Threading/Tension Settings				
LN	RN	UL	LL	CL
(2.0)	(2.0)	-	4.0	-

Machine Setup				
O/R	ULC	CW	SL	DF
O	Yes	6/6	2.5	1.0



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## Uses & Applications

- Weaker stitches, but still excellent for fine edge finishing
- Less bulk than other stitches
- Add interest with variegated thread



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## 2-Thread Wrapped Overlock Wide (LN)



Threading/Tension Settings				
LN	RN	UL	LL	CL
4.0	-	-	4.0	-

Machine Setup				
O/R	ULC	CW	SL	DF
O	Yes	6-7	2.5	1.0



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## Uses & Applications

- Wider stitch catches more fabric for more stability and durability
  - Good for thicker materials and fleeces
- Lower looper thread will be seen on both sides of the project
  - Consider changing thread or using something more decorative when using this stitch for edge finishing



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## 2-Thread Wrapped Overlock Narrow (RN)



Threading/Tension Settings				
LN	RN	UL	LL	CL
-	4.0		4.0	-

Machine Setup				
O/R	ULC	CW	SL	DF
O	Yes	5.5-6	2.5	1.0



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## Uses & Applications

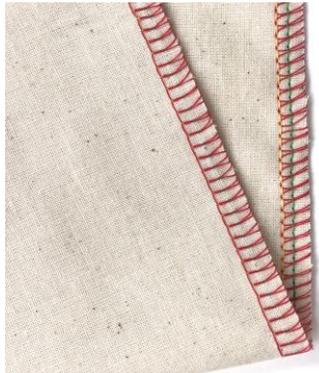
- Suitable for lightweight or finely woven fabrics
- Great for
  - Reversible edges
  - Neatening
  - Decorative hems on outerwear and home textiles



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## 3-Thread Super Stretch



Threading/Tension Settings				
LN	RN	UL	LL	CL
4.0	4.0	-	4.0	-

Machine Setup				
O/R	ULC	CW	SL	DF
O	Yes	6	2.5	1.0



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## Uses & Applications

- Optimal for fabrics with stretch and elasticity
- Perfect for spandex seams
- Primarily for garment sewists
  - Activewear
  - Swimsuits
  - Dance outfits

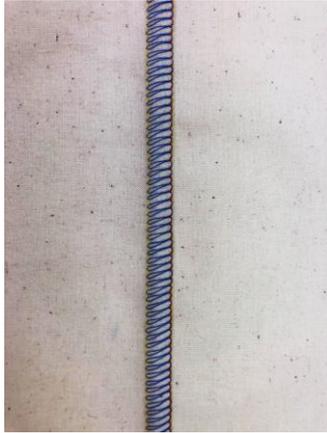


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## Flatlock Stitches

Two different sides once stitched and stretched



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## 3-Thread Flatlock Wide (LN)



### Threading/Tension Settings

LN	RN	UL	LL	CL
2.0	-	4.0	7.0	-

### Machine Setup

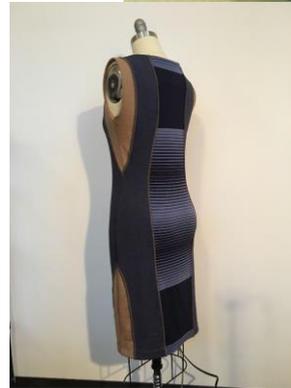
O/R	ULC	CW	SL	DF
O	-	6	2.5	1.0



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## Uses & Applications

- A great feature is that the seams lay flat once stretched out properly
- Creates decorative lines of stitching
  - Consider changing the thread colors
- 3-thread flatlock wide looks great on projects in almost every area of sewing
  - Home textiles
  - Use either side of the stitch when patchwork piecing
  - Add trims or lace to any project



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## 3-Thread Flatlock Narrow (RN)



Threading/Tension Settings				
LN	RN	UL	LL	CL
-	2.0	4.0	6.0	-

Machine Setup				
O/R	ULC	CW	SL	DF
O	-	6	2.5	1.0



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## Uses & Applications



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## 2-Thread Flatlock Wide (LN) & Narrow (RN)



### Threading/Tension Settings

LN	RN	UL	LL	CL
(1.5)	(2.0)	-	4.0 - 4.5	-

### Machine Setup

O/R	ULC	CW	SL	DF
O	Yes	6	2.5	1.0



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## Uses & Applications



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## 3-Thread Narrow Seam



### Threading/Tension Settings

LN	RN	UL	LL	CL
-	4.0	4.0	4.0	-

### Machine Setup

O/R	ULC	CW	SL	DF
R	-	7.5	2.0	1.0



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## Uses & Applications

- Meant to create a light seam for fine materials
  - Silk
  - Cotton
  - Synthetic fiber fabrics
- Also used for lace insertion
- Knife trims away any fraying and the overlock stitch wraps the raw edge to the back



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## 3-Thread Rolled Hem



### Threading/Tension Settings

LN	RN	UL	LL	CL
-	4.0	4.0	5.5	-

### Machine Setup

O/R	ULC	CW	SL	DF
R	-	5.5	1.2	1.0



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## Uses & Applications

- Attractive and quickly sewn edges on light to medium weight materials
- Great for any sewist and project!



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## 2-Thread Rolled Hem



### Threading/Tension Settings

LN	RN	UL	LL	CL
-	4.0	-	4.0	-

### Machine Setup

O/R	ULC	CW	SL	DF
R	Yes	5.5	1.2	1.0



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## Uses & Applications



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## 2-Thread Blanketstitch Wide (LN) & Narrow (RN)



### Threading/Tension Settings

LN	RN	UL	LL	CL
(2.0)	(2.0)	-	4.0	-

### Machine Setup

O/R	ULC	CW	SL	DF
O	Yes	6.0	4.0	1.0



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## Uses & Applications



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## 3-Thread Picotstitch



### Threading/Tension Settings

LN	RN	UL	LL	CL
-	3.5	3.5	5.0	-

### Machine Setup

O/R	ULC	CW	SL	DF
R	-	6.0	2.5	1.0



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## Uses & Applications



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## How to Troubleshoot Your Stitch

### **TNT!**

- 1. Thread
- 2. Needles
- 3. Tension

### **Remember:**

- Micro Thread Control (mtc)
- Change one setting at a time



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## Final Reminders

### Things to remember as you go back to your overlockers

- TEST sew results in BEST sew
- More threads = less flexibility, but more strength
- Less threads = more flexibility, less strength
- Remember TNT for troubleshooting
  - Analyze your stitch and adjust one thing at a time
- Change your needles!
  - Use ELX needles



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## Additional Resources

- **Overlocker Mastery Workbooks**
  - <https://www.bernina.com/en-US/Learn-Create-US/Mastery-Workbooks/Overlocker>
- **eBooks**
  - <https://www.bernina.com/en-US/Learn-Create-US/Projects/Sewing-Projects/Serger-ebooks>
- **Projects**
  - <https://www.bernina.com/en-US/Learn-Create-US/Projects/Sewing-Projects/Serger-projects>
- **WeAllSew Blog**
  - <https://weallsew.com/>
- **Introductory Series**
  - <https://weallsew.com/overlocker-for-beginners-an-introduction-to-sergers/>



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