

4 Stitches and Sewing Techniques

Stitch Overview

On your overlock machine, different stitches are obtained by combining different needle positions, threading methods, tension settings, and the use of the upper looper converter.

See [3 Threading, page 16](#), for references on how to set your machine.

The settings shown in the table below are our recommendations based on normal conditions. It may be necessary to adjust the thread tension depending on the stitch, type of fabric and thread you are using. For best results make tension adjustments in small increments of no greater than half a number at a time. Always test sew on a sample of your fabric before sewing on your project.

Icon Explanation

	Needle position		Stitch length		Right needle thread tension
	Left needle		Cutting width		Left needle thread tension
	Right needle		Stitch finger activated		Upper looper thread tension
	Differential feed		Upper looper converter		Lower looper thread tension

4-Thread Overlock

For all seams where stretch or give is needed, such as neck edges, side seams, sleeves, etc.

							Thread Tension			
		1–1.5	2.5	5–6		—	4	4	4	4

3-Thread Stretch Overlock

For sewing extra stretchy fabrics. Add additional stretch by using a stretchy type thread in the lower looper. Change the thread tension accordingly.

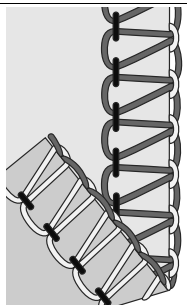












Note: Not recommended for woven fabrics.

							Thread Tension			
		1–1.5	2.5	6			4.5	4	—	3

3–Thread Overlock, Wide (and Narrow)

For sewing two layers of stretchy fabric or overcasting a single layer of light to medium fabric. Use heavier threads in the loopers to create decorative edges.

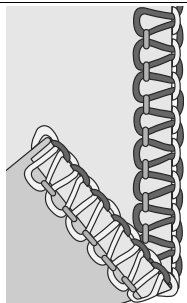











Note: Use the right needle instead for a narrow stitch. Recommended thread tension settings within brackets in the chart.

							Thread Tension							
														
		1–1.5	2.5	5–6		—	4	(—)	—	(3.5)	4	(4)	3.5–5	(4–5)

3–Thread Narrow Edge

For edging lightweight fabrics. It gives a nice finish on silky scarves, pillow ruffles and napkins. Thread the upper looper with a decorative thread, such as 40 weight rayon for a beautiful satin edge.

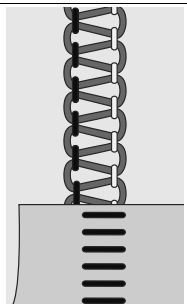












Note: Not recommended for heavy weight fabrics.

							Thread Tension							
														
		0.7–1	2	7	—	—	—	4	4–5	4				

3–Thread Flatlock, Wide (and Narrow)

For sewing fabrics together with a decorative effect either with the flatlock side or the ladder stitch side. Create varying effects by threading the loopers with decorative thread, such as 40 weight rayon.

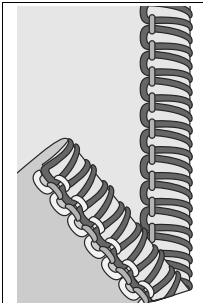











Note: Use the right needle instead for a narrow stitch. Recommended thread tension settings within brackets in the chart.

							Thread Tension							
														
		1–1.5	2.5	5–6.5		—	1.5	(—)	—	(1.5)	3.5	(3.5–4)	6–7	(6–7)

3–Thread Rolled Edge

For edging lightweight fabrics. It gives a nice finish on silky scarves, pillow ruffles and napkins. For a beautiful rolled edge, thread the loopers with a decorative lightweight thread, such as 40 weight rayon, for a beautiful satin edge and the needle and lower looper with lightweight regular thread.

Note: Not recommended for heavy weight fabrics.

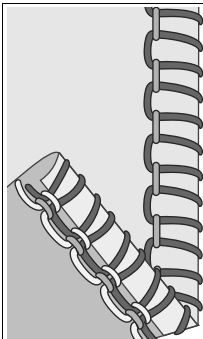











							Thread Tension							
														
		1	1	5–6	—	—	—	3.5	4–5	6–7.5				

3–Thread Picot Edge

Increased stitch length will form a picot edge on your fabric. This edge is a nice way to give a decorative finish to wedding or bridesmaid dresses.

Suitable for light and medium weight woven fabrics and light and medium stretch fabrics.

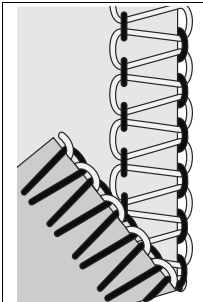













Note: Not recommended for heavyweight woven fabrics or heavyweight stretch fabrics.

							Thread Tension							
														
		0.7–1	2.5	6	—	—	—	3.5	3.5	6.5				

2–Thread Overlock, Wide (and Narrow)

For overcasting a single layer of light to medium weight fabrics (upper looper converter required).

Note: Use the right needle instead for a narrow stitch. Recommended thread tension settings within brackets in the chart.

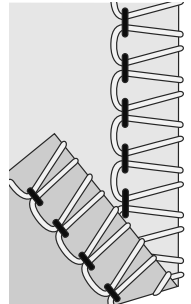













							Thread Tension							
														
		1–1.5	2.5	5–6			1.5–2	(—)	—	(2)	—	(—)	4–4.5	(4)

2–Thread Wrapped Overlock, Wide (and Narrow)

For sewing two layers of stretchy fabrics together. Add additional stretch by using a stretchy type thread in the lower looper. Change the thread tension accordingly.

Note: Not recommended for light, medium, heavy woven fabrics or light stretch fabrics.

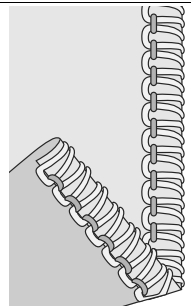













Note: Use the right needle instead for a narrow stitch. Recommended cut width and thread tension settings within brackets in the chart.

							Thread Tension							
														
		1–1.25	2.5	6			5	(—)	—	(6.5)	—	(—)	3	(3.5)

2–Thread Rolled Edge

For edging lightweight fabrics. It gives a nice finish on silky scarves. Thread the looper with a decorative lightweight thread, such as 40 weight rayon for a beautiful satin edge (upper looper converter required).

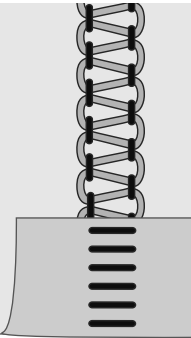













Note: Not recommended for medium or heavy weight fabrics.

							Thread Tension			
										
		1	1	5	—		—	4	—	4

2–Thread Flatlock Wide (and Narrow)

For sewing stretchy fabrics together with a decorative effect either with the flatlock side or the ladder stitch side. Create varying effects by threading the lower looper with decorative thread (upper looper converter required).

Suitable for all fabrics.

							Thread Tension							
														
		1	2.5	6–6.5			2	(—)	—	(2)	—	(—)	4	(4)