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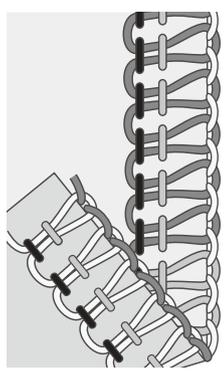
## Stitch Overview

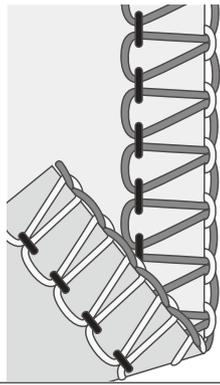
The settings shown in the table below are our recommendations based on normal conditions. It may be necessary to adjust the thread tension depending on the stitch, type of fabric and thread you are using. For best results make tension adjustments in small increments of no greater than half a number at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

In the table below, different fabric weights and types are explained. For you to better understand how the stitches are formed, each of the threads are displayed in different shades of grey.

## Explanation of Icons/Colors

	Needle position		2-thread overlock converter		Wrong side of fabric
	Differential feed		Right needle thread		Right side of fabric
	Stitch length		Left needle thread		Right needle thread
<b>NORM/ TIGHT</b>	Lower looper pre-tension		Upper looper thread		Left needle thread
<b>N/R</b>	Stitch finger position		Lower looper thread		Upper looper thread
					Lower looper thread

	<b>4-Thread Overlock</b>									
	For all seams where stretch or give is needed, such as neck edges, side seams, sleeves, etc.									
				<b>NORM/ TIGHT</b>	<b>N/R</b>		<b>THREAD TENSION</b>			
Both	1.0~1.5	3	NORM	N	-					
						3	3	3	3	

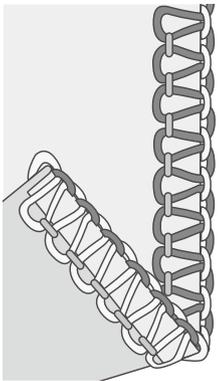


### 3-Thread Overlock, Wide (and Narrow)

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.*

				NORM/ TIGHT	N/R		THREAD TENSION						
Left	1.0~1.5	3	NORM	N	-	3	(-)	-	(3)	3	(3)	3	(3)

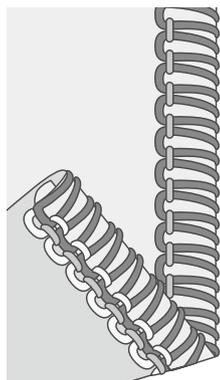


### 3-Thread Narrow Edge

For sewing two layers of stretchy fabric or overcasting a single layer of light fabric. Popular for creating decorative tucks. Use decorative threads in the loopers and regular thread in the needle. Use different colors in the loopers to get an interesting effect.

*Note: Not recommended for heavy weight fabrics.*

				NORM/ TIGHT	N/R		THREAD TENSION			
Right	1.0	R	NORM	R	-	-	4	1~3	3	

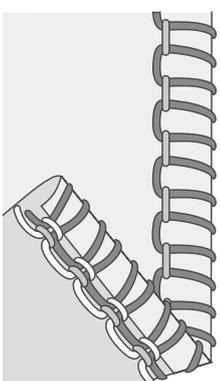


### 3-Thread Rolled Edge

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.*

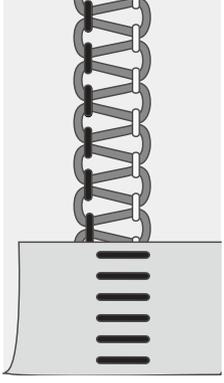
				NORM/ TIGHT	N/R		THREAD TENSION			
Right	1.0	R	TIGHT	R	-	-	3~4	1~3	3	

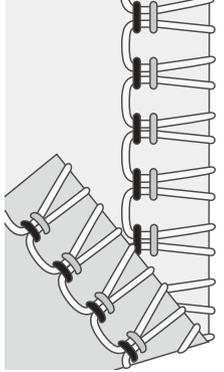


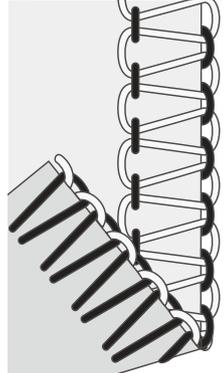
### 3-Thread Picot Edge

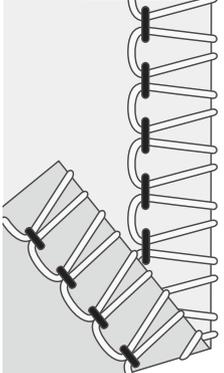
Increased stitch length will form a picot edge on your fabric. This edge is a nice way to give a decorative finish to wedding or bridesmaid dresses.

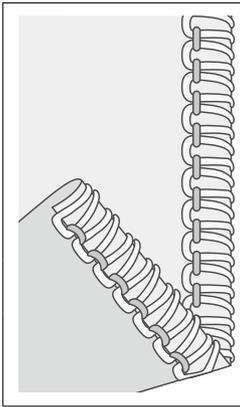
				NORM/ TIGHT	N/R		THREAD TENSION			
Right	1.0	3-4	TIGHT	R	-	-	2-4	3	3-4	

	<b>3-Thread Flatlock, Wide (and Narrow)</b>													
	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.													
	<i>Note: Use the right needle instead for a narrow stitch. Recommended thread tension settings within brackets in the chart.</i>													
			<b>NORM/ TIGHT</b>	<b>N/R</b>		<b>THREAD TENSION</b>								
Left	1.0	3~4	NORM	N	-	0-2	(-)	-	(0)	0	(0)	8-9	(3-7)	

	<b>3-Thread Stretch Overlock</b>													
	For sewing extra stretchy fabrics. Add additional stretch by using a stretchy type thread in the lower looper. Change the thread tension accordingly.													
	<i>Note: Not recommended for heavy weight fabrics.</i>													
			<b>NORM/ TIGHT</b>	<b>N/R</b>		<b>THREAD TENSION</b>								
Both	1.0	2-3	NORM	N	Yes	3		2		-		1-2		

	<b>2-Thread Overedge, Wide (and Narrow)</b>													
	For overcasting a single layer of light to medium weight fabrics (2-thread overlock converter required).													
	<i>Note: Use the right needle instead for a narrow stitch. Recommended thread tension settings within brackets in the chart.</i>													
			<b>NORM/ TIGHT</b>	<b>N/R</b>		<b>THREAD TENSION</b>								
Left	1.0	2~3	NORM	N	Yes	0	(-)	-	(0)	-	(-)	9	(9)	

	<b>2-Thread Wrapped Overlock, Wide (and Narrow)</b>													
	Gives a beautiful finish to lightweight fabrics (2-thread overlock converter required).													
	<i>Note: Use the right needle instead for a narrow stitch. Recommended cut width and thread tension settings within brackets in the chart.</i>													
			<b>NORM/ TIGHT</b>	<b>N/R</b>		<b>THREAD TENSION</b>								
Left	1.0	2~3	NORM	N	Yes	4~6	(-)	-	(5~7)	-	(-)	1-3	(4~6)	

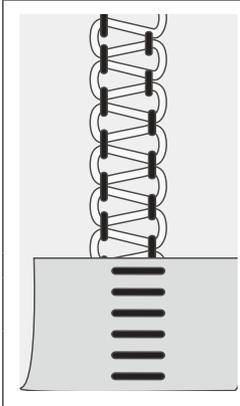


### 2-Thread Rolled Edge

For edging lightweight fabrics. It gives a nice finish on silky scarves, pillow ruffles and napkins. Thread the looper with a decorative lightweight thread, such as 40 weight rayon for a beautiful satin edge (2-thread overlock converter required).

*Note: Not recommended for heavy weight fabrics.*

				NORM/ TIGHT	N/R		THREAD TENSION			
										
Right	1.0	R	NORM	R	Yes	-	5	-	(4~6)	



### 2-Thread Flatlock

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 loopers with decorative thread. (2-thread overlock converter required)

				NORM/ TIGHT	N/R		THREAD TENSION			
										
Left	1.0	3-4	NORM	N	Yes	0-1	-	-	6-9	