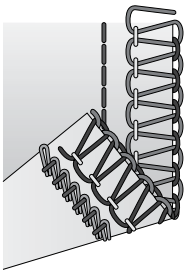
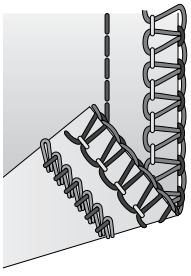
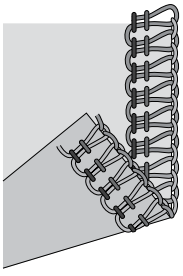
Stitch overview

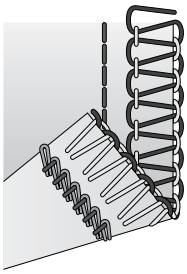
The settings shown in this table are our recommendations based on normal conditions. The correct tension is set automatically by the use of the Auto Tension Dial (ATD). It may be necessary to adjust the thread tension according to the stitch, type of fabric and thread you are using. For best results make tension adjustments in small steps of no greater than half a number at a time. Always test sew on a sample of your fabric before sewing on your garment.

Different stitches are obtained by combining the ATD with different needle positions, threading methods, and the use of the 2-thread converter.

Icon explanation:

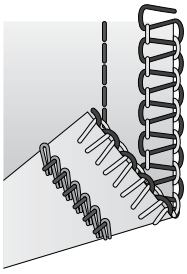
- Needle position
- Stitch length
- Cutting width
- Differential feed
- **N/R** Stitch finger lever setting
- 2-thread converter
- **A/B** Setting for upper cutter, clutch lever and use of cutter cover A or coverstitch table B

Stitch	ATD	Needle position	Stitch length	Cutting width	Differential feed	N/R	2-thread converter	A/B	Threading path				
									B	G	R	Y	P
	B	A and D	2.5	6.0	1.0	N	No	A	•	•	•	•	•
5-thread safety stitch, wide For joining with a reinforced stitch and overcasting in one step. A durable chainstitch seam with overlock edge for garment sewing, quilt piecing and other projects.													
	A	B and D	2.5	6.0	1.0	N	No	A	•	•	•	•	•
5-thread safety stitch, narrow For joining with a reinforced stitch and overcasting in one step. A durable chainstitch seam with overlock edge for garment sewing, quilt piecing and other projects.													
	A	A and B	2.5	6.0	1.0	N	No	A	•	•	•	•	
4-thread overlock For all seams where stretch or give is needed, such as neck edges, side seams, sleeves, etc. Specialty techniques can be done with a 4-thread overlock seam such as gathering, applying piping with the optional piping foot and elastic with the optional elastic foot.													

Stitch	ATD					N/R		A/B	Threading path				
									B	G	R	Y	P
	I	A and D	2.5	6.0	1.0	N	Yes	A	•	•		•	•

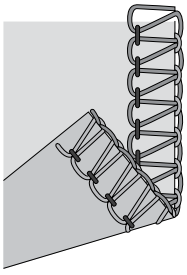
4-thread safety stitch, wide

For joining with reinforced stitch and overcasting in one step. Converter required.

	I	B and D	2.5	6.0	1.0	N	Yes	A	•	•		•	•

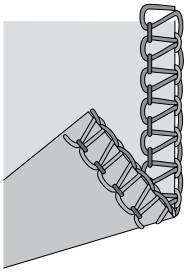
4-thread safety stitch, narrow

For joining with reinforced stitch and overcasting in one step. Converter required.

	B	A	2.5	6.0	1.0	N	No	A	•		•	•	

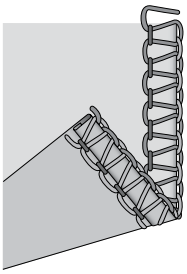
3-thread overlock, wide

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 braids. (Hold your hand behind the presser foot and gently and slowly pull the thread chain as you sew, trying to keep the same tension as it has been sewn onto fabric.)

	A	B	2.5	6.0	1.0	N	No	A		•	•	•	

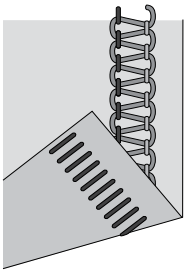
3-thread overlock, narrow

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.

Stitch	ATD					N/R		A/B	Threading path				
									B	G	R	Y	P
	A	B	1.5	6.0	1.0	R	No	A		•	•	•	

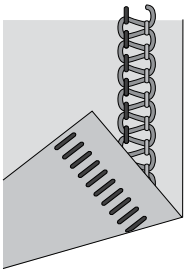
3-thread narrow edge*

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.

	F	A	2	6.0	1.0	N	No	A	•		•	•	

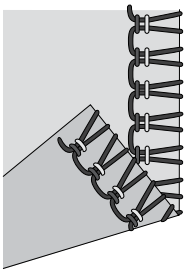
3-thread flatlock stitch, wide

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.

	F	B	2	6.0	1.0	N	No	A		•	•	•	

3-thread flatlock stitch, narrow

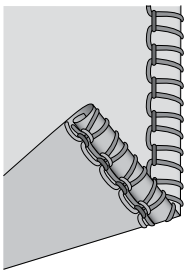
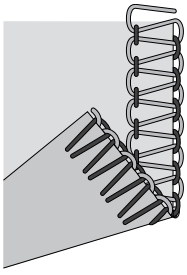
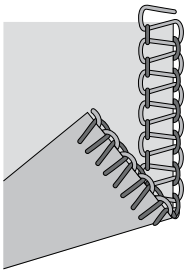
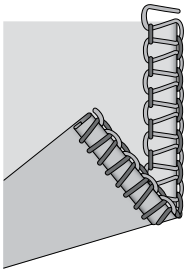
For sewing stretchy fabrics together with a decorative effect either with the flatlock side or the ladder stitch side. Create varying effects by threading the loopers with decorative thread.

	G	A and B	2	6.0	1.0	N	Yes	A	•	•		•	

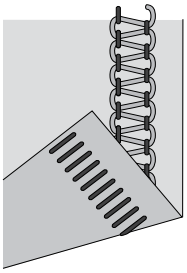
3-thread stretch overlock

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

*** Not recommended for heavyweight woven fabrics or medium to heavyweight stretch fabrics.**

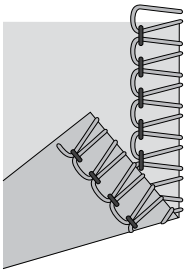
Stitch	ATD					N/R		A/B	Threading path				
									B	G	R	Y	P
	C	B	1	6.0	1.0	R	No	A		•	•	•	
3-thread rolled edge*													
For edging lightweight fabrics. It gives a nice finish on silky scarves, pillow ruffles and napkins. For a beautiful rolled edge, thread the looper with decorative thread and the needle and lower looper with lightweight regular thread.													
	E	A	2	6.0	1.0	N	Yes	A	•			•	
2-thread overlock, wide													
For overcasting a single layer of light to medium weight fabrics. Converter required.													
	E	B	2	6.0	1.0	N	Yes	A		•		•	
2-thread overlock, narrow													
For overcasting a single layer of light to medium weight fabrics. Converter required.													
	E	B	2	6.0	1.0	R	Yes	A		•		•	
2-thread narrow edge*													
Use for edging lightweight fabrics. Converter required.													

*** Not recommended for heavyweight woven fabrics or medium to heavyweight stretch fabrics.**

Stitch	ATD					N/R		A/B	Threading path				
									B	G	R	Y	P
	E	A	2	6.0	1.0	N	Yes	A	•			•	

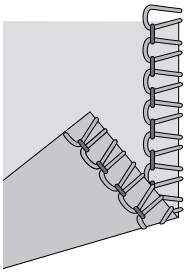
2-thread flatlock, wide

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. Converter required.

	G	A	2	6.0	1.0	N	Yes	A	•			•	

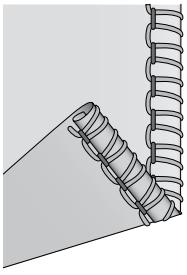
2-thread wrapped overlock, wide

Decorative finish for garments and homedec. Converter required.

	D	B	2	6.0	1.0	N	Yes	A		•		•	

2-thread wrapped overlock, narrow

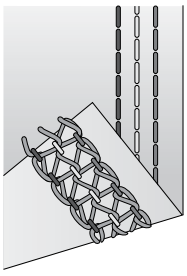
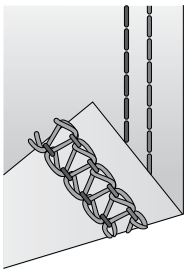
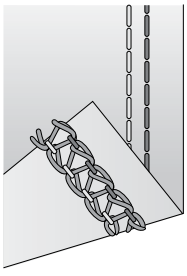
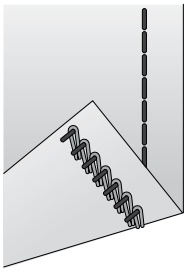
Gives a beautiful finish to lightweight fabrics. Use transparent threads with this stitch to get an almost invisible edge, this gives a very beautiful look on finer fabrics. Converter required.

	B	B	1	6.0	1.0	R	Yes	A		•		•	

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. Converter required.

*** Not recommended for heavyweight woven fabrics or medium to heavyweight stretch fabrics.**

Stitch	ATD					N/R		A/B	Threading path				
									B	G	R	Y	P
	J	C, D and E	2.5	-	1.0	R	No	B	•	•	•		•
Coverstitch, triple For hems on stretch fabrics and for decorative effects on all kind of fabrics. Use decorative thread in looper for embellishment.													
	H	C and E	2.5	-	1.0	R	No	B	•		•		•
Coverstitch, wide For hems on stretch fabrics and for decorative effects on all kind of fabrics. Use decorative thread in looper for embellishment.													
	K	C and D	2.5	-	1.0	R	No	B	•	•			•
Coverstitch, narrow For hems on stretch fabrics and for decorative effects on all kind of fabrics. Use decorative thread in looper for embellishment.													
	D	D	2.5	-	1.0	R	No	B		•			•
Chainstitch For all types of sewing such as construction, hemming and piecing quilts. Baste with ease for construction as it is an easily unraveled stitch, and never run out of bobbin thread. Use decorative thread in looper for embellishment.													