# My BERNINA

# Overlocker Workbook 2



# Overlocker *Plus*For current BERNINA models



# Overlocker Plus

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The information in this work-book applies to the current line of BERNINA Overlockers.

Note: Some exercises apply only to certain models equipped with the feature being highlighted.

## **Presser Feet & Accessories**

#### Overlocker Workbook 2

The following presser feet and accessories are available for BERNINA overlockers except the L 220. Some attachments are included with the purchase of the overlocker and others are optional depending on the model. Each presser foot snaps onto the shank of the overlocker, easy to change without the use of additional tools. The Gathering Attachment, the Guide for the Multi-Purpose Foot, and the Right & Left Seam Guides are attachments used in conjunction with a presser foot.







Foot

Elasticator

**Gathering Foot** 



**Blindstitch Foot** 



Multi-Purpose Foot with Guide



Cording Foot



Accessory Holder 700D & 800DL



Gathering Attachment



Left & Right Seam Guides



Coverstitch Foot 1300MDC & L 220



Chainstitch Foot 1300MDC & L 220



Coverstitch Hem Guide 1300MDC



# **Elasticator: Attaching Elastic**

#### Overlocker Workbook 2

Fabric: Medium weight cotton, 3" x 14" and

12" length of 1/2" nylon or cotton braid elastic

Needle: 75/11 Stretch or Ballpoint

Thread: 2 cones of overlocker thread and 2 cones of Woolly Nylon

**Presser Foot:** Elasticator Stitch: 4-thread overlock

Thread the overlocker for a 4-thread overlock using Woolly Nylon in the upper and lower loopers. Adjust settings as directed below.

Attach the Elasticator to the overlocker.

Locate and raise the roller guide in the front of the presser foot. Turn the handwheel to lower the needles. (This also lowers the feed dog.)

Raise the presser foot and insert the elastic through the slot and under the presser foot until it touches the needles.

Lower the presser foot and overlock a few stitches to catch and straighten the elastic along the right edge of the slot. Turn the handwheel to lower the needles.

Lower the roller guide. Using the small screwdriver, loosen the set screw on the front of the elasticator and adjust the guide plate to the width of the elastic; tighten the set screw.

Locate the pressure adjustment set screw (on the top of the roller guide) and turn the screw counterclockwise to completely loosen the pressure on the roller.

Place the fabric under the presser foot and begin stitching. Slowly tighten the pressure adjustment set screw to increase the pressure on the roller and stretch the elastic. Note: Do not over tighten the screw. Excessive pressure on the elastic will bind the fabric.

Stitch the elastic onto the fabric letting the presser foot stretch the elastic for you.

Return all settings to normal.



	Others	L 460/L 450
Upper Looper	3-5	3-5
Lower Looper	3-5	3-5
Left Needle	3-5	3-5
Right Needle	3-5	3-5
Stitch Length	2.5	2.5
Cutting Width	2-3	6
Differential Feed	N	1



## **Gathering Foot: Simple Gathering**

#### Overlocker Workbook 2

Fabric: Medium weight cotton, 3" x 14"

Needle: 80/12 Universal

Thread: 4 cones of overlocker thread

Presser Foot: Gathering Foot

Stitch: 4-thread overlock

Thread the overlocker for a 4-thread overlock. Adjust settings as directed below, starting with a stitch length of 2.5mm and needle tensions of 5.

Attach the Gathering Foot to the overlocker.

Using a fabric marker, divide fabric into 3 sections along one 14" edge.

Turn the handwheel to lower the needles. (This also lowers the feed dog.) Insert the fabric under the Gathering Foot, up against the needles. The fabric should be on the stitch plate.

Lower the presser foot and overlock to the first mark.

Adjust the stitch length to 4mm and overlock to the second mark.

Increase the tension on both needles to 7. Overlock to the end of the fabric.

Mark the sample as shown.

Return all settings to normal.



	Others	L 460/L 450
Upper Looper	3-5	3-5
Lower Looper	3-5	3-5
Left Needle	3-5	3-5
Right Needle	3-5	3-5
Stitch Length	2.5	2.5
Cutting Width	2-3	6
Differential Feed	N	1



## **Gathering Foot: Fabric to Fabric**

#### Overlocker Workbook 2

Fabric: Medium weight cotton, 3" x 14" and

Medium weight cotton, 3" x 8"

Needle: 80/12 Universal

Thread: 4 cones of overlocker thread

**Presser Foot:** Gathering Foot Stitch: 4-thread overlock

Thread the overlocker for a 4-thread overlock. Adjust settings as directed below.

Attach the Gathering Foot to the Overlocker.

Raise the presser foot and insert the 14" strip of fabric (right side *up*) under the Gathering Foot with the fabric on the stitch plate. Lower presser foot. Sew several stitches until the fabric is under the needles.

Turn the handwheel to lower the needles. (This also lowers the feed dog.) Place the 8" strip of fabric (right side down) on top of the flap on the Gathering Foot, touching the needles.

Overlock the two strips together; the lower strip will gather as you sew.

Return all settings to normal.



	Others	L 460/L 450
Upper Looper	3-5	3-5
Lower Looper	3-5	3-5
Left Needle	3-5	3-5
Right Needle	3-5	3-5
Stitch Length	2.5	2.5
Cutting Width	2-3	6
Differential Feed	N	1

# **Multi-Purpose Foot: Piping**

#### Overlocker Workbook 2

Fabric: Medium weight cotton bias strip, 2" x 8"

12" length of 3/8" cotton filler cord

Needle: 80/12 Universal

Thread: 4 cones of overlocker thread

Presser Foot: Multi-Purpose Foot with Guide

Stitch: 4-thread overlock

Set the overlocker for a 4-thread overlock. Adjust settings as directed below.

Attach the Multi-Purpose Foot and Guide following the directions in the instruction manual for the Multi-Purpose Foot with Guide. Note: 700D and 800DL need the Attachment Base to accommodate the Guide.

Insert the filler cord into the guide from front to back.

Raise the Multi-Purpose Foot and insert the filler cord into the guide on the left side of the foot. Feed the filler cord under the foot. Lower the foot and overlock a few stitches to stabilize the cord.

Wrap the bias strip around the plastic portion of the guide under the wire that goes over the guide.

Overlock slowly, guiding the fabric and the cord simultaneously; continue stitching until the cord is covered. It is now ready to be inserted into a seam as it is sewn.



	Others	L 460/L 450
Upper Looper	3-5	3-5
Lower Looper	3-5	3-5
Left Needle	3-5	3-5
Right Needle	3-5	3-5
Stitch Length	2.5	2.5
Cutting Width	2-3	6
Differential Feed	N	1



# BERNINA Multi-Purpose Foot: Inserted Piping

#### Overlocker Workbook 2

Fabric: Medium weight cotton, 3" x 8", 2 pieces

Medium weight cotton bias strip, 2" x 8"

12" length of 3/8" cotton filler cord

Needle: 80/12 Universal

Thread: 4 cones of overlocker thread

Presser Foot: Multi-Purpose Foot with Guide

Stitch: 4-thread overlock

Set the overlocker for a 4-thread overlock. Adjust settings as directed below.

Attach the Multi-Purpose Foot and Guide following the directions in the instruction manual for the Multi-Purpose Foot with Guide. Note: 700D and 800DL need the Attachment Base to accommodate the Guide.

Place one of the 3" x 8" pieces of fabric under the foot, *right side up*.

Wrap the bias strip around the cord and place the wrapped cord in the groove under the foot and on top of the other fabric.

Position the second piece of fabric, right side down, on top of the first with the wrapped piping between them.

Overlock, making the covered cord and attaching it to the fabric strip in one stitching.

Press the seam allowance to the wrong side of the fabric strip.



	Others	L 460/L 450
Upper Looper	3-5	3-5
Lower Looper	3-5	3-5
Left Needle	3-5	3-5
Right Needle	3-5	3-5
Stitch Length	2.5	2.5
Cutting Width	2-3	6
Differential Feed	N	1



# **Multi-Purpose Foot + Gathering**

#### Overlocker Workbook 2

Fabric: Medium weight cotton, 3" x 18"

Medium weight cotton bias strip, 2" x 8"

12" length of 3/8" cotton filler cord

Needle: 80/12 Universal

Thread: 4 cones of overlocker thread

Presser Foot: Multi-Purpose Foot + Gathering Attachment

Stitch: 4-thread overlock

Set the overlocker for a 4-thread overlock. Adjust settings as directed below.

Attach the Multi-Purpose Foot only (no guide), following the directions in the instruction manual for the Multi-Purpose Foot with Guide.

Slip the Gathering Attachment on to the fixing screw and metal post directly behind the fixing screw. Hint: Place the horseshoe -shaped slot over the screw, then rotate the attachment to lock over the metal post. Tighten fixing screw. Note: 700D and 800DL also need the Attachment Base.

Wrap the bias strip around the cord and place the wrapped cord in the groove under the foot with the raw edges to the right.

Take 2 or 3 stitches into the fabric and lower the needles into the fabric.

Place the 3" x 18" fabric *under* the Gathering Attachment and next to the needles.

Overlock, covering the cord, gathering the fabric strip and seaming all layers together.



	Others	L 460/L 450
Upper Looper	3-5	3-5
Lower Looper	3-5	3-5
Left Needle	3-5	3-5
Right Needle	3-5	3-5
Stitch Length	2.5	2.5
Cutting Width	2-3	6
Differential Feed	N	1



# **Multi-Purpose Foot: Beading**

#### Overlocker Workbook 2

Fabric: Medium weight cotton, 4" x 8"

10" length of 4mm, plastic, pre-strung beads

Needle: 80/12 Universal

Thread: 3 cones of overlocker thread Presser Foot: Multi-Purpose Foot Stitch: 3-thread flatlock (narrow)

Set the overlocker for a 3-thread flatlock using the right needle. Adjust settings as directed below.

Fabric will not be cut for this technique and the upper knife needs to be disengaged. On the 1300MDC, 1150MDA, 800DL & 700D, raise the upper knife and lock it in the "up" position to disengage. On the L 460 and L 450, disengage the knife by opening sewing table and looper cover; press knob in and turn clockwise until knife engages at lower position.

Attach the Multi-Purpose Foot only (no guide), following the directions in the instruction leaflet for the Multi-Purpose Foot with Guide.

Lay the pre-strung beads in the channel on the right side of the foot, threading them under the rear guide (see instruction leaflet for the Multi-Purpose Foot with Guide).

Turn the handwheel to encase the first beads inside the thread chain.

Fold the fabric in half to 2" x 8" and place the fabric under the foot with the fold halfway between the needle and the stitch finger or against the right seam guide.

Slowly flatlock the beads to the folded fabric.

Gently pull the fabric flat.

To reset and activate the knife:

On the 1300MDC, 1150MDA, 800DL & 700D, rotate the knife to the down position until it clicks. On the 1300MDC, there is a button to depress to lower the arm down before rotating the blade. On the L460 & L 450, press the knob in and turn counter-clockwise until knife engages at the upper position.



	Others	L 460/L 450
Upper Looper	3-5	4
Lower Looper	7-9	7
Left Needle	NA	NA
Right Needle	1-2	2.5
Stitch Length	1.75	2.5
Cutting Width	2-3	7
Differential Feed	N	1



#### **Blindstitch Foot: Blind Hem**

#### Overlocker Workbook 2

Fabric: Cotton jersey, 6" x 6"

Needle: 80/12 Universal (ballpoint may be used if needed)

Thread: 3 cones of overlocker thread

Presser Foot: Blindstitch Foot Stitch: 3-thread flatlock (narrow)

Set the overlocker for a narrow 3-thread flatlock (right needle); adjust the settings as directed below.

Attach the Blindstitch Foot.

Fold the fabric under for a 1½" blind hem and then turn the body of the project back so that 1/4" - 1/2" extends beyond the fold as in a conventional blind hem. Place the fabric under the foot.

Adjust the fabric guide so the needle just catches the fold in the stitching.

Stitch the hem, guiding the fold of the fabric against the guide.

Press the hem.



	Others	L 460/L 450
Upper Looper	3-5	4
Lower Looper	7-9	7
Left Needle	NA	NA
Right Needle	1-2	2.5
Stitch Length	1.75	2.5
Cutting Width	2-3	7
Differential Feed	N	1



#### **Blindstitch Foot: Decorative Tucks**

#### Overlocker Workbook 2

Fabric: Medium weight cotton, 6" x 6"

Needle: 80/12 Universal

Thread: 3 cones of overlocker thread

Presser Foot: Blindstitch Foot Stitch: 3-thread rolled hem

Set the overlocker for a 3-thread rolled hem (right needle); adjust the settings as directed below.

Attach the Blindstitch Foot.

Pull the Stitch Selection Lever toward you.

Fabric will not be cut for this technique and the upper knife needs to be disengaged. On the 1300MDC, 1150MDA, 800DL & 700D, raise the upper knife and lock it in the "up" position to disengage. On the L 460 and L 450, disengage the knife by opening sewing table and looper cover; press knob in and turn clockwise until knife engages at lower position.

Move the fabric guide just to the left of the knife line on the stitch plate.

Mark three lines 1" apart across the fabric.

Fold the fabric wrong sides together along one marked line and place the fabric under the presser foot with the fold against the guide.

Overlock the tuck; repeat for the two remaining marked lines.

Return the Stitch Selection Lever to the normal stitching position.

To reset and activate the knife:

On the 1300MDC, 1150MDA, 800DL & 700D, rotate the knife to the down position until it clicks. On the 1300MDC, there is a button to depress to lower the arm down before rotating the blade. On the L460 & L 450, press the knob in and turn counter -clockwise until knife engages at the upper position.



	Others	L 460/L 450
Upper Looper	3-5	3-5
Lower Looper	7-9	7-8
Left Needle	N/A	N/A
Right Needle	3-5	3.5
Stitch Length	1-1.5	1-1.5
Cutting Width	2-3	5
Differential Feed	N	1



#### **Blindstitch Foot: Lace to Lace**

#### Overlocker Workbook 2

Fabric: Flat edging lace, 2 pieces, 6" each

Needle: 70/10 Sharp or Microtex
Thread: 3 cones of overlocker thread

Presser Foot: Blindstitch Foot Stitch: 3-thread rolled hem

Set the overlocker for a 3-thread rolled hem(right needle); adjust the settings as directed below.

Attach the Blindstitch Foot.

Pull the Stitch Selection Lever toward you.

Raise the upper knife and lock it in the "up" position. You will not cut fabric with this technique.

Move the fabric guide just to the left of the knife line on the stitch plate.

Stiffen the lace with spray starch or fabric stiffener.

With right sides together, place the headers of the laces under the presser foot against the guide.

Overlock the laces together.

Gently pull the lace flat and press.



	Others	L 460/L 450
Upper Looper	3-5	3-5
Lower Looper	7-9	7-8
Left Needle	N/A	N/A
Right Needle	3-5	3.5
Stitch Length	1-1.5	1-1.5
Cutting Width	2-3	5
Differential Feed	N	1



# **Cording Foot: Shaped Edge**

#### Overlocker Workbook 2

Fabric: Medium weight fabric, 3" x 18", cut on bias and

Nylon fishing line, 15-20# test, 24"

Needle: 80/12 Universal

Thread: 2 cones of overlocker thread and 1 cone Woolly Nylon

**Presser Foot:** Cording Foot Stitch: 3-thread rolled hem

Set the overlocker for a 3-thread rolled hem (right needle) with Woolly Nylon in the upper looper. Adjust settings as directed below.

Pull the Stitch Selection Lever towards you.

Attach the Cording Foot.

Following the directions in the instruction leaflet for the Cording Foot, insert the nylon fishing line through the guides.

Place the fabric under the presser foot and overlock along one 18" edge, stretching the fabric edge as you sew.

Return stitch length and thread tension levers to normal.

Return the Stitch Selection Lever to normal sewing position.



	1300MDC, 1150MDA, 800DL, 700D
Upper Looper	3-5
Lower Looper	7-9
Left Needle	N/A
Right Needle	3-5
Stitch Length	1-1.5
Cutting Width	2-3
Differential Feed	N



Fabric: Medium weight fabric, 3" x 18" and

28 gauge floral wire, two 24" lengths

Needle: 80/12 Universal

Thread: 2 cones of overlocker thread and 1 cone Woolly Nylon

**Presser Foot:** Cording Foot Stitch: 3-thread rolled hem

Set the overlocker for a 3-thread rolled hem (right needle) with Woolly Nylon in the upper looper. Adjust settings as directed below.

Pull the Stitch Selection Lever towards you.

Attach the Cording Foot.

Following the direction in the instruction leaflet for the Cording Foot, insert the wire through the guides.

Place the fabric under the presser foot and overlock along one 18" edge, feeding the wire through the foot as you overlock.

Use wire cutters to cut the wire. Do not use the overlocker knives.

Repeat for the other 18" edge of the fabric.

Roll hem the short ends of the strip without inserting wire into the stitch.

Return stitch length and thread tension levers to normal.

Return the Stitch Selection Lever to normal sewing position.

Secure the thread tails with a seam sealant. When the sealant is dry, cut the thread tails. Use wire cutters to trim the wire, if needed.

Tie the wired fabric into a bow.



	1300MDC, 1150MDA, 800DL, 700D
Upper Looper	3-5
Lower Looper	7-9
Left Needle	N/A
Right Needle	3-5
Stitch Length	1-1.5
Cutting Width	2-3
Differential Feed	N

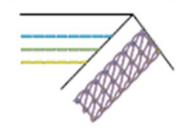


### 4-thread/3-Needle Coverstitch

#### Overlocker Workbook 2

Fabric: Medium weight cotton, 4" x 8"

Needle: 80/12 Sharp or JLx2 Thread: 4 cones overlocker thread Presser Foot: Coverstitch Foot Stitch: 4-thread/3-needle coverstitch



Set the overlocker for a 4-thread/3-needle coverstitch. Adjust settings as directed below. Note: Model 1300MDC needs to be converted from overlock mode to cover and chain mode.

Attach the Coverstitch presser foot. Center the fabric under the presser foot. Lift the presser foot and place the fabric completely under the foot.

Turn the handwheel clockwise for the first stitch.

Overlock to the end of the fabric.

At the end of the stitching, turn the handwheel counterclockwise until the needles are at their lowest position. Then turn the handwheel clockwise until the needles are at their highest position to release the threads from the looper.

Raise the presser foot and carefully remove the work. Note: At the end of the stitching, turn the handwheel counterclockwise (toward you) until the needle is at its lowest position. Then turn the handwheel clockwise (away from you) until the needle is at its highest position to release the thread from the looper.



Cut the thread using the thread cutter.

Adjust settings as necessary; stitch a second row of coverstitch.

	1300MDC	L 220
Left Needle	3.2	3-5
Center Needle	5	3-5
Right Needle	4	3-5
Looper	М	М
Stitch Length	3.5	3
Differential Feed	N	N



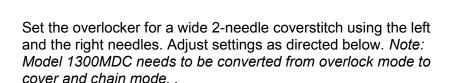
Fabric: Medium weight cotton, 4" x 8"

Needle: 80/12 Sharp or JLx2

Thread: 3 cones of overlocker thread

**Presser Foot:** Coverstitch Foot

**Stitch:** 3-thread/2-needle coverstitch (wide)



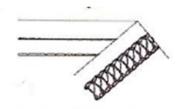
Attach the Coverstitch presser foot.

Fold up a 2" hem along the 8" edge of the fabric. Glue stick or pin in place. The coverstitch hem attachment may be used on the 1300MDC.

Using the markings on the stitch plate as a guide, place the fabric under the needles with the fold to the right of the presser foot, with the right side of the fabric up and the hem/wrong side down.

Coverstitch the hem in place.







	1300MDC	L 220
Left Needle	3-5	3-5
Center Needle	NA	NA
Right Needle	3-5	3-5
Looper	М	M
Stitch Length	3.5	3
Differential Feed	N	N



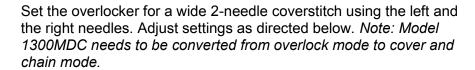
#### 3-thread/2-needle coverstitch

#### Overlocker Workbook 2

Fabric: Medium weight cotton, 6" x 6"

Needle: 80/12 Sharp or JLx2 Thread: 3 cones overlocker thread Presser Foot: Coverstitch Foot

**Stitch:** 3-thread/2-needle coverstitch (wide)



Attach the Coverstitch presser foot. Center the fabric under the presser foot. Lift the presser foot and place the fabric completely under the foot.

Turn the handwheel clockwise for the first stitch.

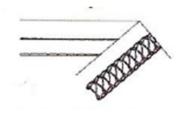
Overlock to the end of the fabric.

At the end of the stitching, turn the handwheel counterclockwise until the needles are at their lowest position. Then turn the handwheel Clockwise until the needles are at their highest position to release the threads from the looper.

Raise the presser foot and carefully remove the work. *Note: At the* end of the stitching, turn the handwheel counterclockwise (toward you) until the needle is at its lowest position. Then turn the handwheel clockwise (away from you) until the needle is at its highest position to release the thread from the looper.

Cut the thread using the thread cutter.

Turn the fabric over and stitch another line of coverstitching to show both sides of the stitch on the right side of the fabric.





	1300MDC	L 220
Left Needle	3-5	3-5
Center Needle	NA	NA
Right Needle	3-5	3-5
Looper	М	М
Stitch Length	3.5	3
Differential Feed	N	N



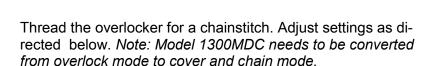
Fabric: 2 pieces medium weight cotton, each 4" x 8"

Needle: 80/12 Sharp or JLx2

Thread: 2 cones of overlocker thread

Presser Foot: Chainstitch Foot

Stitch: Chainstitch



Attach the Chainstitch presser foot. Note: Model 1300MDC has an exclusive combination presser foot for overlock and chain stitch; model L 220 has an optional chain stitch foot or the Standard presser foot may be used.

With right sides together, place the fabric under the needles. Align the raw edges with the %" mark on the stitch plate.

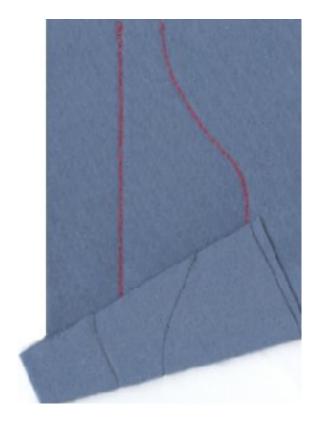
Turn the handwheel clockwise for the first stitch.

Overlock to the end of the fabric.

Overlock 1-2 additional straight or gently curved lines of chain stitching.

Raise the presser foot and carefully remove the work. Cut the thread using the thread cutter.





	1300MDC	L 220
Left Needle	NA	NA
Center Needle	NA	NA
Right Needle	3-5	3-5
Looper	М	М
Stitch Length	2.5	2.5
Differential Feed	N	N



## **Decorative Chainstitch**

#### Overlocker Workbook 2

Fabric: Medium weight denim, 4" x 8" and

Tear-away stabilizer, 4" x 8"

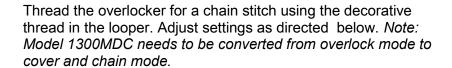
Needle: 80/12 Sharp or JLx2

Thread: 1 cone of overlocker thread

Decorative thread such as 1 cone Yenmet metallic thread or 1 cone Pearl Crown Rayon thread by YLI

**Presser Foot:** Chainstitch Foot

Stitch: Chainstitch



Slightly loosen the tension on the chain stitch looper.

Attach the Chainstitch presser foot. Note: Model 1300MDC has an exclusive combination presser foot for overlock and chain stitch; model L 220 has an optional chain stitch foot or the Standard presser foot may be used.

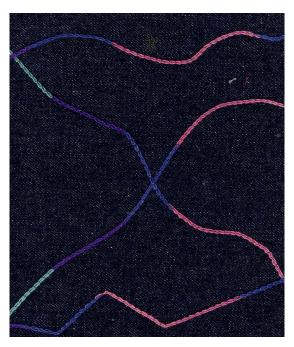
Place the stabilizer against the **wrong side** of the denim. Place the denim **right side down** under the presser foot; the stabilizer will be on top.

Chainstitch a curved line across the fabric. Turn the fabric over to see the decorative stitching on the right side.

To increase the amount of decorative thread that shows, adjust the stitch length to 3mm or 4mm. Changing the stitch length as you overlock will vary the decorative chain stitch effect. Always use a stitch length of *at least* 2.5mm.

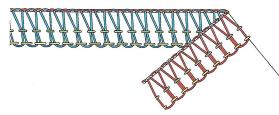
Stitch several more lines of decorative chain stitching across the fabric, using other decorative threads as desired.

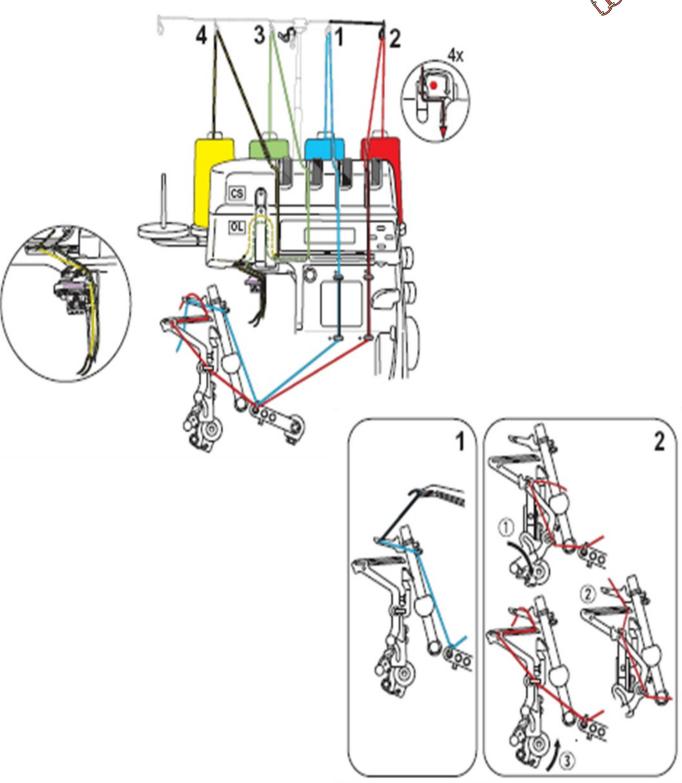




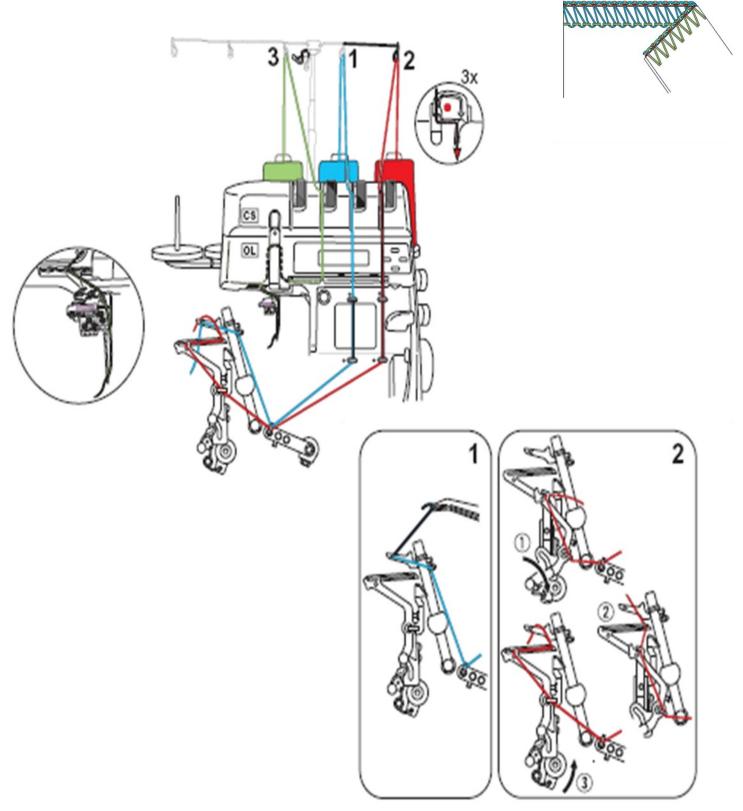
	1300MDC	L 220
Left Needle	NA	NA
Center Needle	NA	NA
Right Needle	3-5	3-5
Looper	М	М
Stitch Length	2.5+	2.5+
Differential Feed	N	N



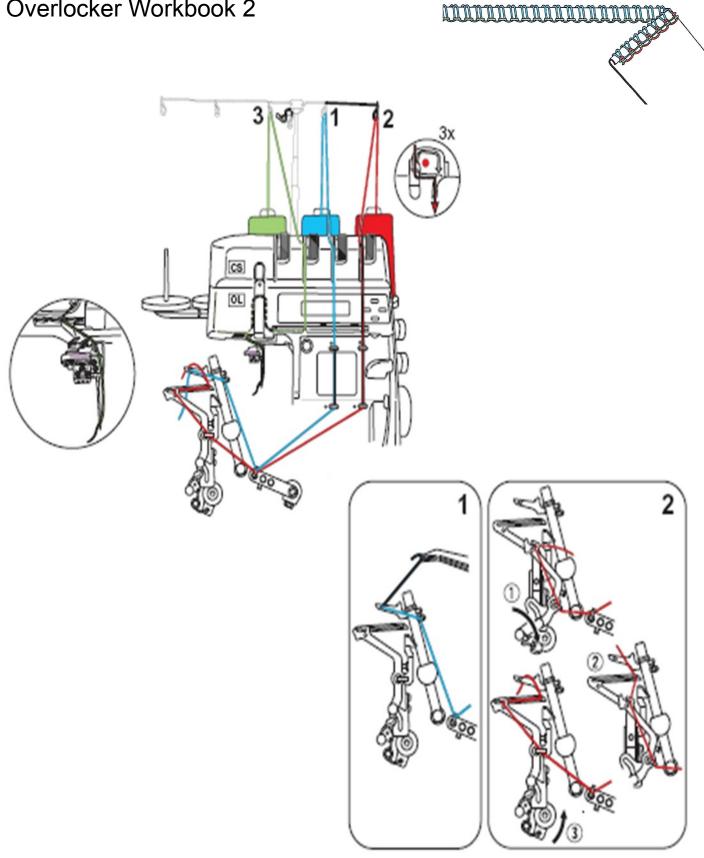




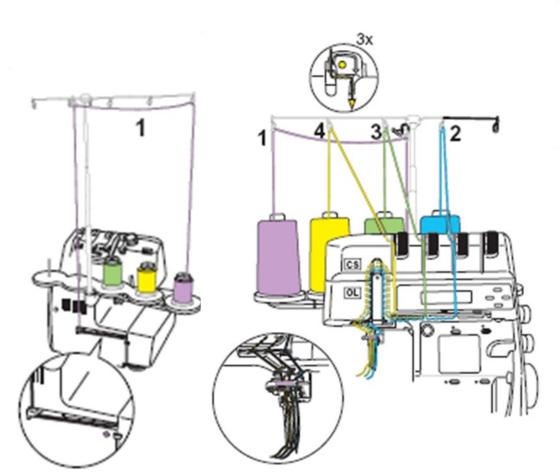
# My BERNINA

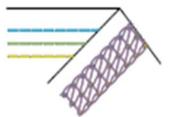


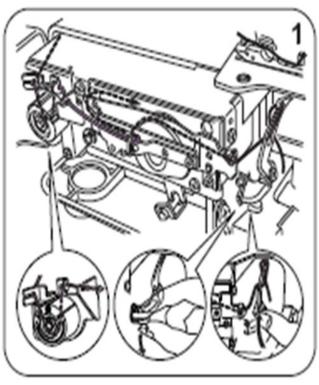
# 3-thread rolled hem



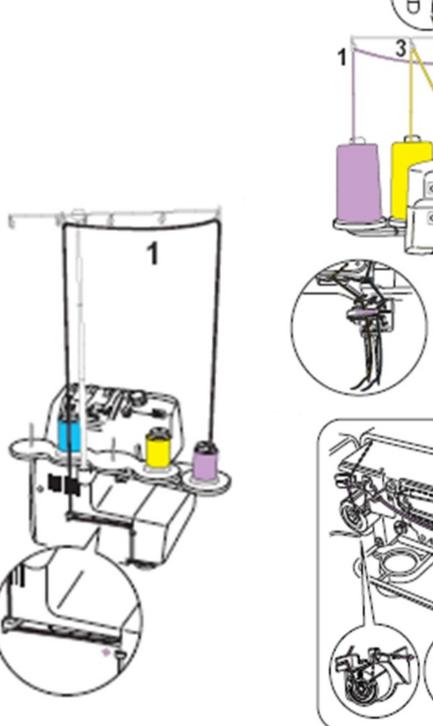


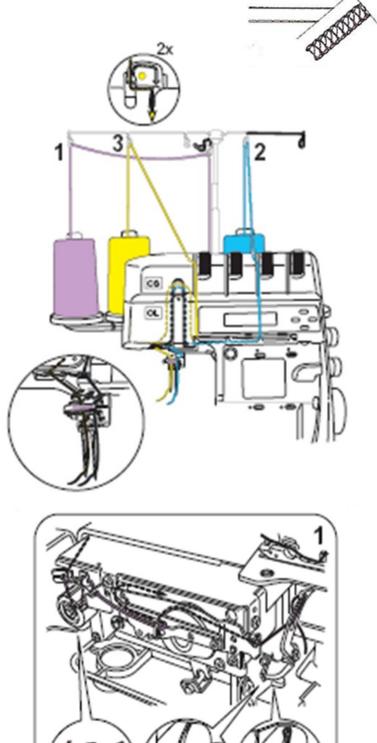














## 2-thread/1-needle chainstitch



