



Overlock 1200D-4



INSTRUCTION MANUAL



Important instructions for safe use

The machine is intended for HOME use only. The following basic safety precautions should always be observed when using an electric machine: Read all instructions before using the sewing machine.

U W A G A To minimize the risk of electric shock:

1. You should never leave your sewing machine plugged in. Always unplug the machine from the outlet right after use and before cleaning.
2. Always unplug from an outlet before replacing a bulb. Replace the bulb with a similar 15-watt bulb.
3. Do not touch a sewing machine that has fallen into water. Immediately turn off the power.
4. Do not place the sewing machine in a place from which it can slide or be knocked down into a bathtub or sink. Do not place or drop it into water or any other liquid.

U W A G A To minimize the risk of burns, fire, electric shock, or personal injury:

1. Watch that it is not used for play. Pay special attention when the sewing machine is used by or around children.
2. Use this sewing machine only for its intended purpose, as described in this manual. Use only additives recommended by the manufacturer, as described in the instruction manual.
3. Never work on the machine if it has a damaged cable or plug, if it does not work properly, if it is dropped or damaged, or if it is dropped into water.
Take the device to the nearest authorized dealer or repair center for inspection, repair, or electrical or mechanical adjustment.
4. Never work on the machine if it has any of the vents blocked. Protect the machine's vents and starter from clogging with dust, clippings and other debris.
5. Never drop or insert anything into the openings of the machine.
6. Do not use .
7. Do not use in areas where aerosol products are sprayed or where oxygen is used.
8. To unplug the machine, set all switches to the "off" ("0") position, then remove the plug from the outlet.
9. Never use on a soft surface such as a bed or couch, where the vents may be blocked.
10. Do not unplug from the outlet by pulling the cord. Grab the plug not the cord, to disconnect from the outlet.
11. Keep your fingers away from the moving parts of the machine. Pay special attention to the needle area of the sewing machine.
12. Always use the correct stitch plate. An improper stitch plate can cause the needle to break.
13. Do not use a bent or blunt needle. Use only needles recommended by the manufacturer.
14. Do not pull or push the fabric while sewing. This can deform the needle, causing it to break.
15. Turn off the machine (position "0") when manipulating around the needle, such as threading the needle, changing the needle, filling the lower bobbin or replacing the foot, etc.
16. Always turn off the power when you will remove the housing, lubricate the machine or make other self-adjustments and minor repairs listed in the instruction manual.
17. Hold the plug while retracting the cable. Do not allow the plug to fly freely while coiling the cable. Please also follow the instructions on general safety on page No. 2.

KEEP INSTRUCTIONS FOR FUTURE REFERENCE



Safety Notes

1. The user must take proper care with the up and down movement of the needle, and must not take his eyes off the sewing area while working.
2. When you have to walk away from machine, during maintenance or when replacing mechanical parts or accessories, always unplug the machine by pulling the plug.

3. The highest allowable lamp power in the machine is 15 watts.
4. V-belt tension should only be adjusted by a mechanic.
5. The machine should be turned on according to specifications.
6. Do not place any objects in the openings of the machine.
7. Do not use the machine if:
 - is clearly damaged,
 - Its work is disrupted,
 - The machine is wet, such as from condensed steam, which can occur when a cold machine is brought into a warm room.
8. Do not pull the plug from the outlet by pulling the cord.
9. If the machine is used contrary to its intended use or if it is improperly operated, not we can recognize any claims in connection with of the damage caused.
10. To avoid the risk of electric shock, do not open the machine. The user must not repair any part inside the machine by himself. This should be entrusted to our qualified service personnel.
11. Use only original parts.
12. The machine is designed for use at rated voltage +/- 10% and frequency +/-4%.
13. With proper use, the temperature of the external parts of a non-electronically controlled starter can reach 85°. Continuous operation at low speed is not, therefore, allowed, in order to avoid damage to the

Surrounding

- The recommended operating environment is: Ambient temperature 10°C to 40°C Humidity 20% to 80%
- Storage temperature -25°C to +60°C
- The machine is immune to interference according to international regulations, but should not be used near electronic devices such as radios, televisions, computers, etc.
- This machine is a high-quality electromechanical device and is intended for use at home. It should be used in a way that does not expose it to: dust, excessive moisture, intense sunlight, static electricity, heat-generating objects, chemicals or corrosive liquids.
- To ensure proper ventilation, the machine must not be blocked and must be placed on a firm and level surface.

How to handle the machine

Always be careful not to damage the machine by dropping or it.

Cleaning

Housing and display:

Use a clean, smooth, dry and soft cloth to clean the case. To remove more serious dirt, use a soft cloth soaked in alcohol or kerosene.

Pay attention!

Never use insecticides or chemical products such as gasoline or diluted chemicals to clean the case.

Simple and modern sewing!

Congratulations! You have become the owner of a unique product of the Polish brand Lucznik - a sewing machine. What makes it so special? Well, it is with sewing machines that our history is connected, which is intertwined with the history of Poland. We would like to highlight four key dates in Lucznik's rich history.

- **1925** - the beginning of the Radom-based Łucznik Metal Works. That's when it all started - with the production of weapons, bicycles, grinders, milling and tapping machines, door locks, typewriters and a wide range of tools.
- **1948** - on the 30th anniversary of Poland's regaining of independence, Łucznik Works begins production of lockstitch machines. This is a clear nod to the clothing industry.
- **1954** - new types of synthetic materials appear on the market, and their use allows the introduction of professional equipment outside the factory halls. So the Lucznik plant releases the first sewing machines for home use. And it is since then that we have been in your homes. It was on the Archers that your great-grandmothers, grandmothers, mothers learned to sew, and now we come to you. Modern solutions introduced in the first models of sewing machines with the Archer logo on the body revolutionized the sewing process, giving its users the freedom of choice and convenience of use.

In 1958, the supply of engines for machines was started by the ASPA Company from Wrocław. In time, the ASPA Group obtained a license to use the Lucznik trademark, and then bought the rights to the brand.

- **2025** - our brand joins the ranks of 100 years old. On this occasion, we are launching a new line of "Tradition&Precision" sewing machines, combining the best features of the legendary Archers with modern solutions.

This is how this special anniversary machine from the "Tradition&Precision" line got into your hands. We are also giving you an instruction manual that will allow you to take full advantage of the possibilities your new machine offers. If, after reading it, you have any questions, please contact your dealer, our service center or Galeria Łucznik showroom - we will be happy to provide you with advice and assistance.

We are delighted that you are joining the Archer Community, which creates styles and trends in home sewing. It is an honor for us to inspire the next generation. We do our best to make sewing not only fashionable, but also fun, creative and exciting.

We wish you many hours spent developing this extraordinary passion and realizing your own

projects! For a dose of inspiration, visit www.galerialucznik.pl/pl/blog and www.lucznik.info.

Also be sure to visit the website of our store www.galerialucznik.pl. There you will find the largest assortment of machines, sewing accessories and sewing accessories, as well as small household appliances for home, kitchen and beauty.

If you will be in Wrocław, don't forget to visit our showroom Galeria Lucznik at Długosza 59-75 St. Its stylish decor and friendly atmosphere will make your shopping a real pleasure. You can also immediately make an appointment for sewing courses conducted by our specialists.



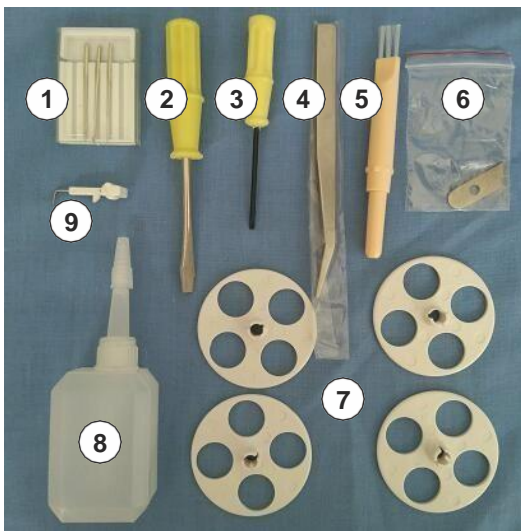
TABLE OF CONTENTS

1. ACCESSORIES INCLUDED.....	6
2. CONSTRUCTION OF THE MACHINE.....	7
3. POWER CONNECTION/CONTROL OF OVERLOCKS.....	9
4. ADJUSTING THE TELESCOPIC THREAD GUIDE	10
5. OPENING AND CLOSING THE FRONT COVER (GRIPPER COVER).....	10
6. NEEDLE INFORMATION	11
7. OVERLOCK THREADING	13
8. THREAD EXCHANGE	19
9. OPERATION OF OTHER MACHINE COMPONENTS	19
a. Foot lift lever.....	19
b. Thread cutter/stitch finisher.....	20
c. Replacing the footer	20
d. Disconnecting the upper blade	21
e. Connecting the upper blade.....	21
f. Attaching and using the top thread splitter	22
10. STITCHING	23
a. Setting the stitch width	23
b. Stitch length adjustment.....	24
c. Foot pressure adjustment	24
d. Differential transport (differential)	25
e. Sewing using the free arm	27
f. Attachment of the accessory container.....	27
g. Stitch finger (width slider) adjustment	28
11. OVERVIEW OF STITCHES	29
a. Setting thread tension for individual stitches	31
12. OVERLOCK MAINTENANCE / OVERLOCK CLEANING.....	42
a. Oiling the overlock.....	42
b. Cleaning rubber bases.....	42
c. Replacing the lower blade.....	43
13. ADDITIONAL ACCESSORIES.....	44
14. SEWING PROBLEMS AND THEIR SAMPLE SOLUTIONS.....	48
15. SPECIFICATIONS	49

1. ACCESSORIES IN KIT



The standard equipment of the overlock machine is located in the storage compartment on the left side of the machine. Gently press the piece under the free arm and pull the storage compartment to the left.



The following accessories are included with the overlocker;

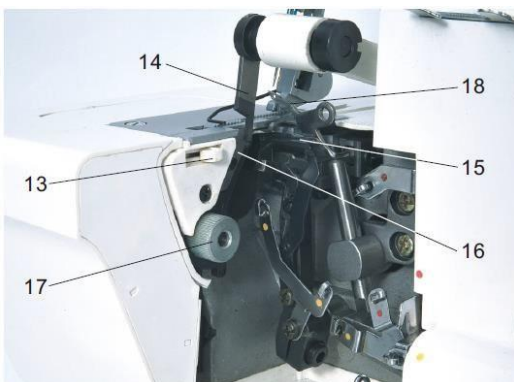
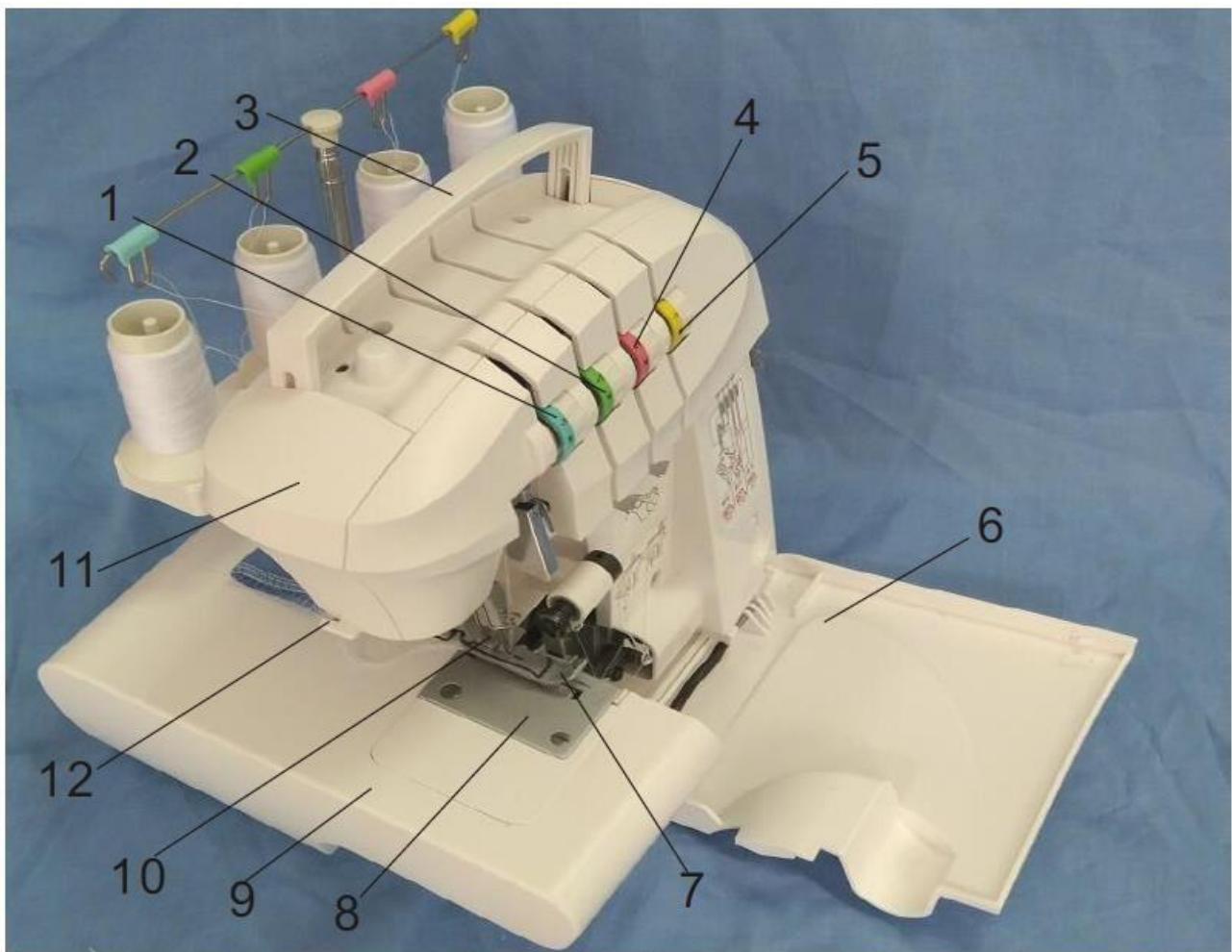
- 1 - set of needles
- 2 - screwdriver (large)
- 3 - screwdriver (small)
- 4 - tweezers
- 5 - cleaning brush
- 6 - bottom knife
- 7 - thread discharge discs (caps)
- 8 - oiler
- 9 - converter for double-threaded stitch



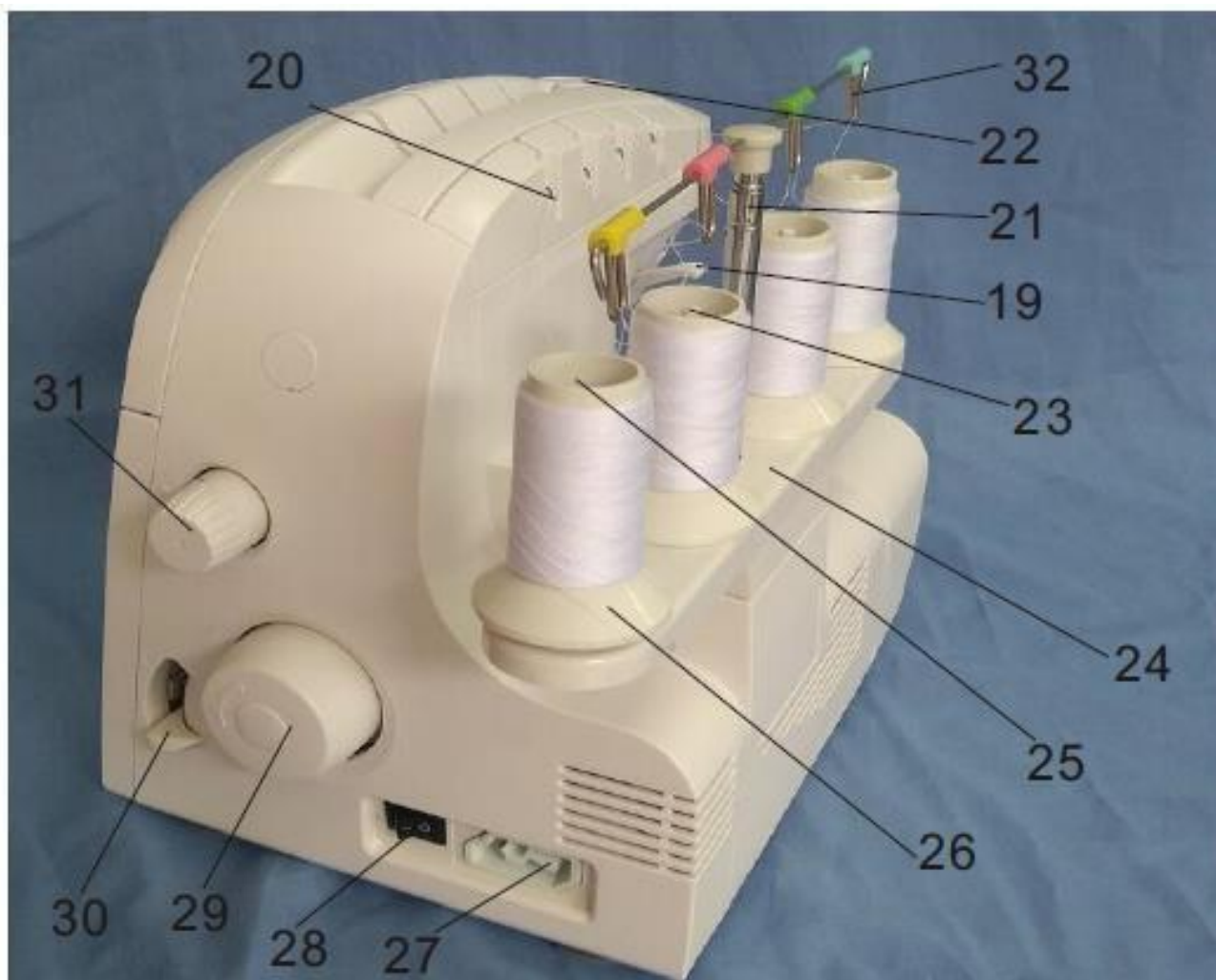
Overlock dust cover

The cover protects the overlock machine from dust and dirt. After each use, insert the telescopic guide and thread rack, then the cover can be placed on the machine.

2. CONSTRUCTION MACHINE



1. Thread tension knob - left needle
2. Thread tension knob - right needle
3. Carrying handle
4. Thread tension knob - top picker
5. Thread tension knob - bottom picker
6. Gripper cover
7. Sewing foot
8. Stitch plate
9. Pull-out storage compartment for accessories
10. Needle fixing screw
11. Lamp cover
12. Cased knife
13. Slider to adjust the width of the stitch finger stitch
14. Movable upper blade
15. Lower edge gripper
16. Fixed bottom knife
17. Seam width adjustment knob
18. Top edge gripper



- 19. Feet lift lever
- 20. Rear thread guides
- 21. Telescopic thread guide
- 22. Hole with internal screw for adjusting the foot pressure
- 23. Thread spool pin
- 24. Thread spool stand
- 25. Spool
- 26. Tapered adapter
- 27. Power socket
- 28. Mains switch
- 29. Handwheel
- 30. Differential transport adjustment lever
- 31. Stitch length adjustment knob
- 32. Color-coded thread guides
- 33. Controller for foot control
- 34. Foot controller plug for the machine
- 35. Network plug

3. POWER CONNECTION/CONTROL OVERLOCKS



Important! You will find the power cord and foot speed controller among the accessories included with the overlocker.

Important! If you are not using an overlocker, unplug the power cord.

Before connecting the overlocker to the power supply, make that the voltage and frequency indicated on its nameplate match the mains voltage.

Set the overlocker on a stable table.

1. Connect the power cord to the machine by inserting the 3-hole plug into the power socket on the overlock machine.
2. Plug the plug of the power cord into the wall outlet/surge protection strip.
3. Turn on the power of the overlocker (by pressing the button to the "I" position).
4. When the power is turned on, a light illuminating the work area will come on.

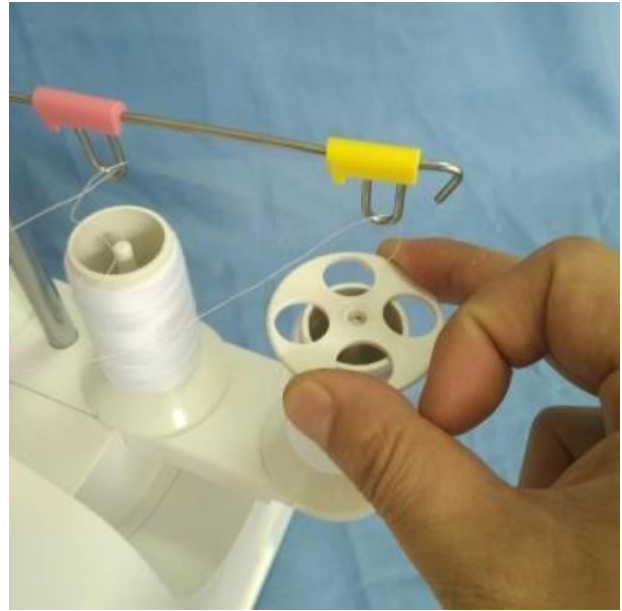
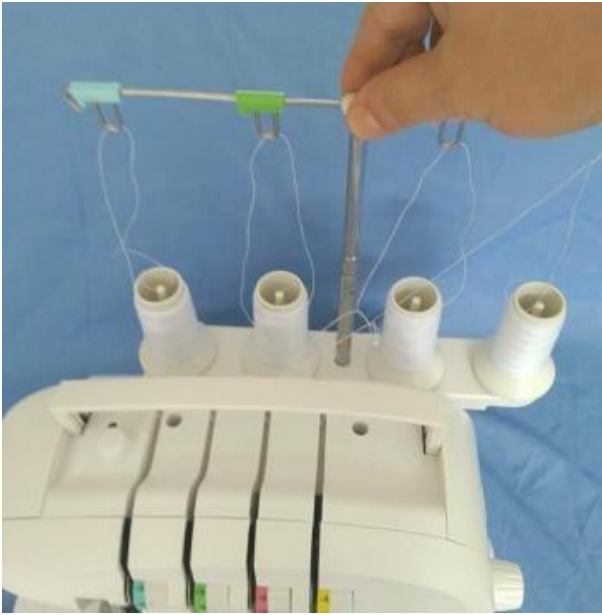
FOOT SPEED CONTROLLER (PEDAL)

Press the foot speed control to start sewing. Use it to adjust the sewing speed accordingly. The harder you press, the faster the overlock will sew. To stop sewing, remove your foot from the foot speed control.

Important! When the front cover (gripper cover) of the overlocker is open, the safety switch is activated. Sewing is then not possible, even after pressing the foot speed controller.

Important! If you are not sure how to properly connect the overlock to the power supply, consult our service.

4. ADJUSTING TELESCOPIC GUIDE THREADS



1. Extend the telescopic thread guide to its full height. To ensure optimal winding, slowly rotate the top two telescopes until you hear a locking sound.
2. Place the bobbins on the bobbin centering and stabilizing pads located on the mandrels.

Important! The bobbins should be put on so that the threads unwind in an anti-clockwise direction.

3. Once the overlocker is threaded, straighten the threads to prevent them from tangling.
4. If you are using a small bobbin, attach the bobbin stop before you start sewing. Insert the bobbin stop into the bobbin and place them together on the mandrel.

5. OPENING AND CLOSING THE FRONT COVER (GRIPPER COVER)



OPENING OF THE FRONT COVER (COVER)

Slide the cover to the right (as far as it will go), then with a gentle but firm motion point it down and pull it towards you.

CLOSING OF THE FRONT COVER (GRIPPER COVER)

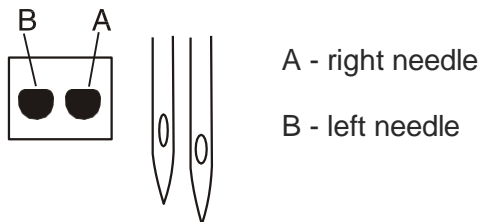
With a gentle but firm motion, pull the cover upward, then slide it to the left until it locks into place.

Important! The front cover (gripper cover) has a safety switch. Sewing is not possible if the cover is open.

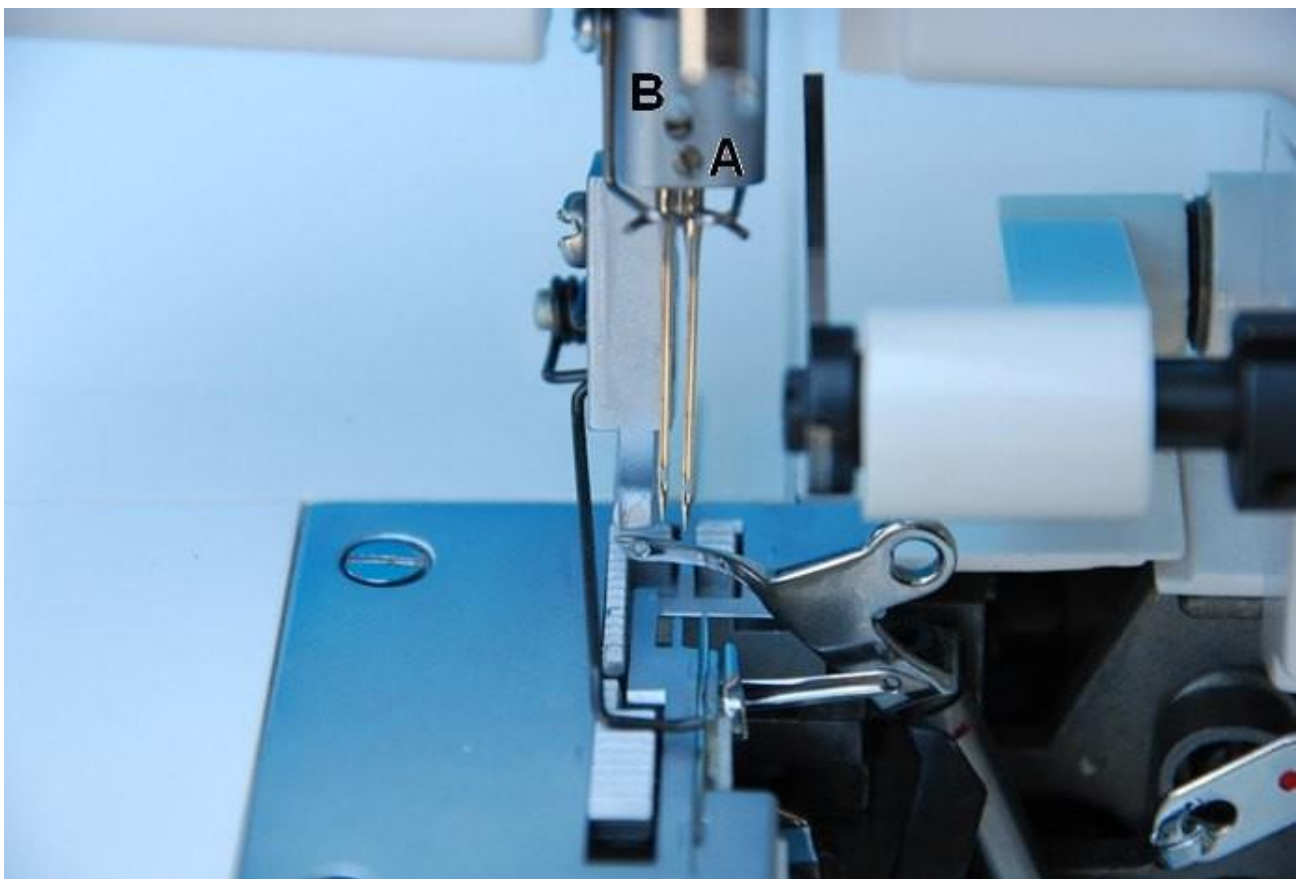
6. INFORMATION ABOUT NEEDLES

- the machine has two needles
- needles with a flat shank, the so-called semi-flat needles, are used in this machine
- do not use standard needles for home sewing machines
- The machine is equipped with Archer's needles, matching needles are set no. 2045, 2054.

- needle position:



When the left and right needles are inserted correctly, the left needle will be slightly higher than the right needle.



A. right needle screw

B. left needle screw

- needle removal:

Note: Make sure it is unplugged from the outlet before you proceed to replace the needles!

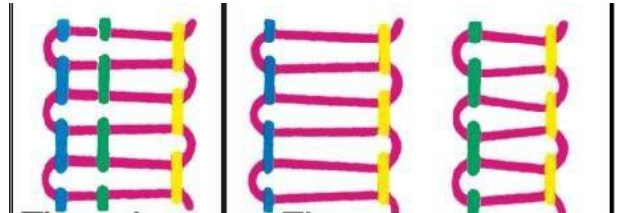
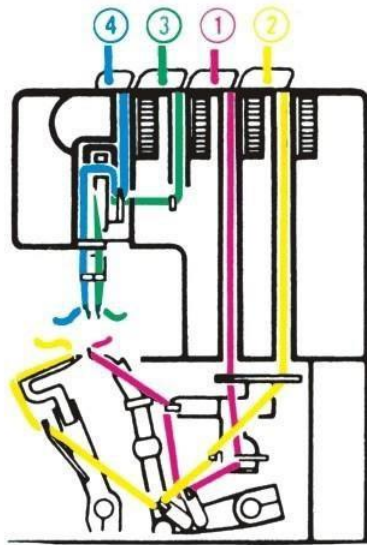
- before removing the needle, remove the bead
- Turn the handwheel toward you until the needles are in the highest position
- remove needles one at a time
- Loosen, but do not remove, the screw holding the needle in question - remember that all the time
- Hold the needle while loosening it, then pull it gently out of the holder

- inserting the needle:

Note: Make sure it is unplugged from the outlet before you proceed to replace the needles!

- grasp the needle below the flask with the flat side back, rounded toward you
- insert the needle into the cast, as deep as , until it stops
- Gently tighten the screw securing the needle in question

7. THREADING OVERLOCK



Threading

Behind the gripper cover, i.e. inside the machine, there is a color-coded threading diagram to make the process easier.

Thread the individual threads as shown, following steps 1 through 4.

Color coding

applies follows:

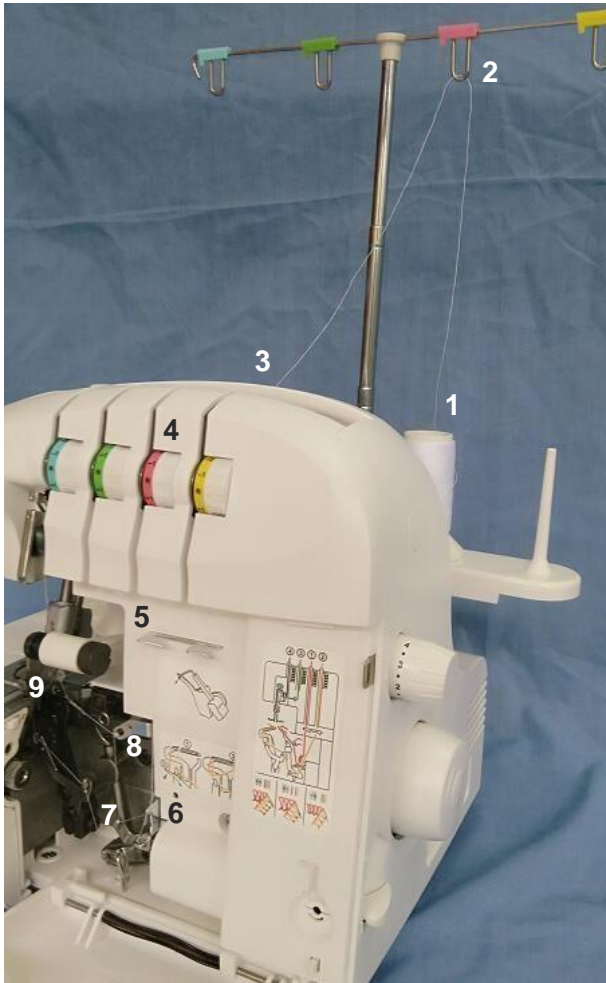
1. Top pick thread - pink color
2. Lower gripper thread - yellow color
3. Right needle - green color
4. Left needle - blue color



Threading/guiding thread

Place the thread spools on the mandrels (1). Pull the thread from back to front through the guide on the stand (2) according to the color coding.

Lift the carrying handle. Then thread the thread, hooking it from the bottom up through the rear guide (3). Holding the thread with your fingers, put it between the tensioner plates (4) and pull it downwards. Make sure that the thread has caught on the guide. Return the carrying handle to the closed position.



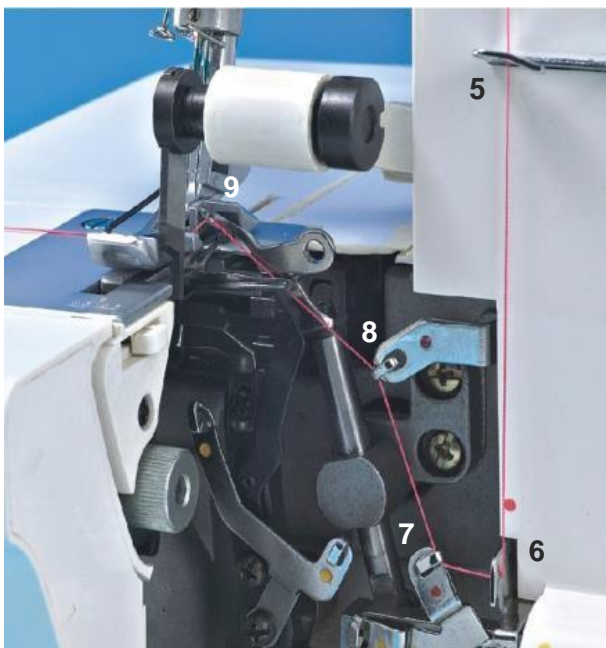
Threading the overlock top picker (pink)

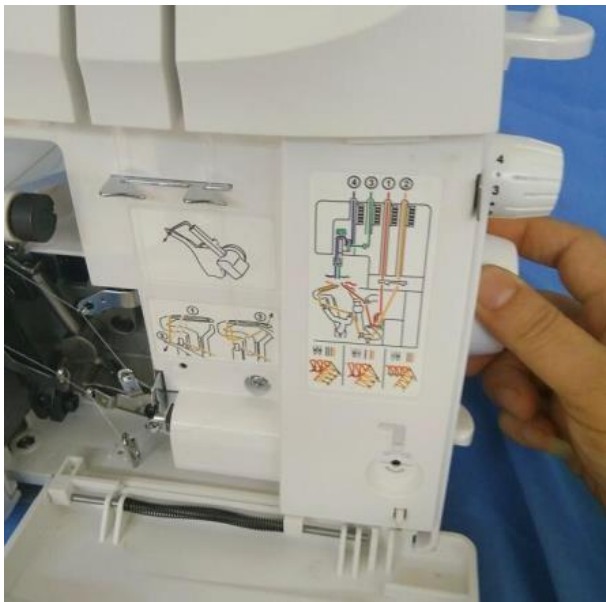
Continue threading according to steps 1 through 9.

Tip: Use the tweezers included with the accessory to make threading easier.

Thread along the path marked in pink, according to the numbers from 5 to 8.

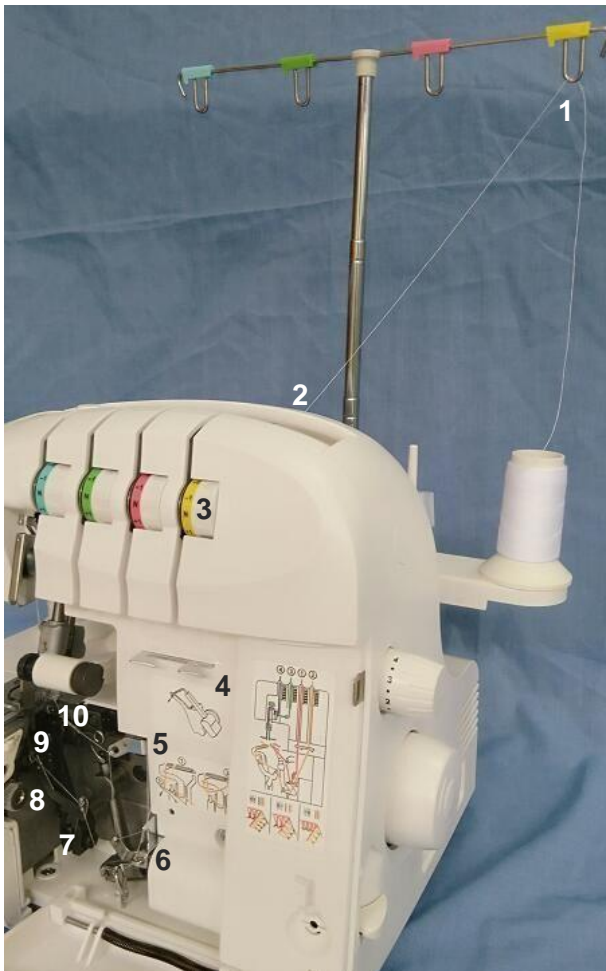
Pass the thread from the front through the eyelet of the top picker 9. Pull the thread out to about 10cm and leave it free at the back of the stitch plate.





Threading the lower overlock picker (yellow)

Turn the knob according to the arrow until the gripper is positioned as far to the right as possible.



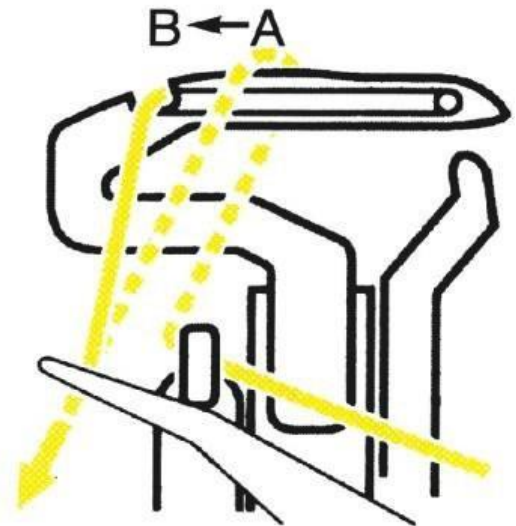
Thread according to the following steps from 1 to 10.

Tip: Use the tweezers included with the accessory to make threading easier.

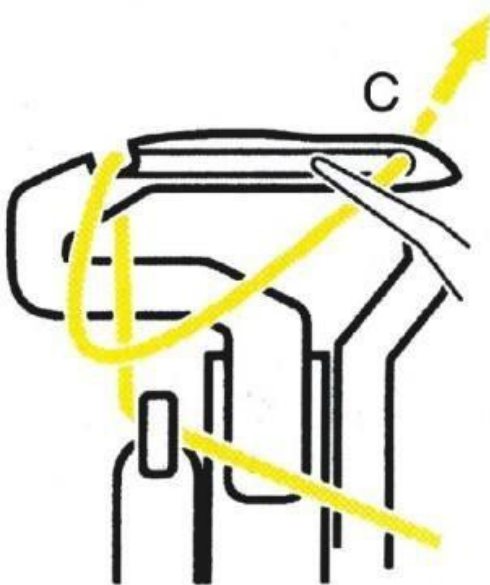


Thread along the path marked in yellow, according to the numbers from 4 to 8.

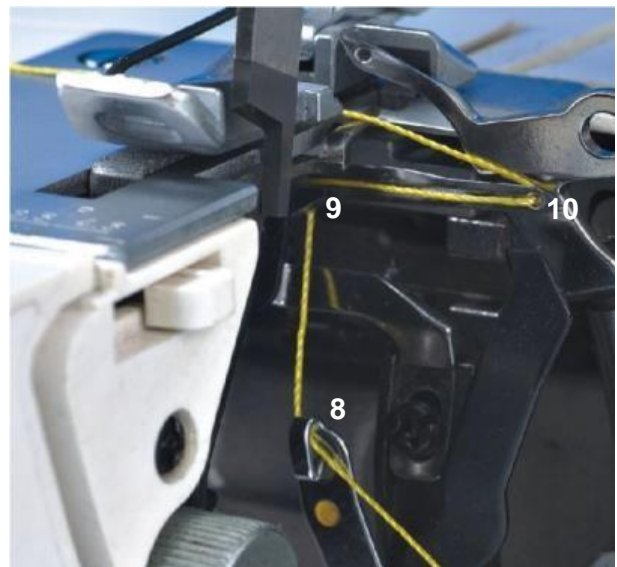
A diagram on the basic principles of notation is located under the front cover.



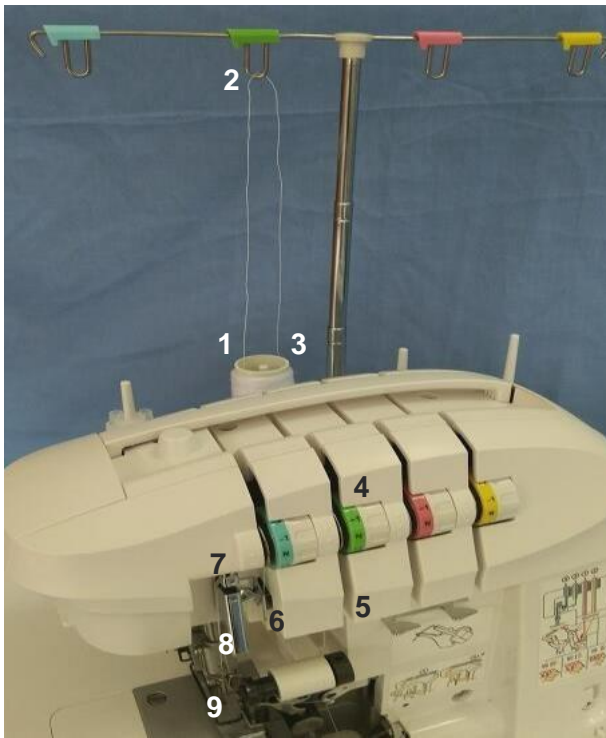
Pass the thread from back to front over the right part of the gripper. Carefully pull the thread to the left and down until it slides into notch B (threading step 9) of the gripper.



Pass the thread from the front through the eyelets of the lower C gripper (step 10 of threading). The thread must run along the groove of the gripper.

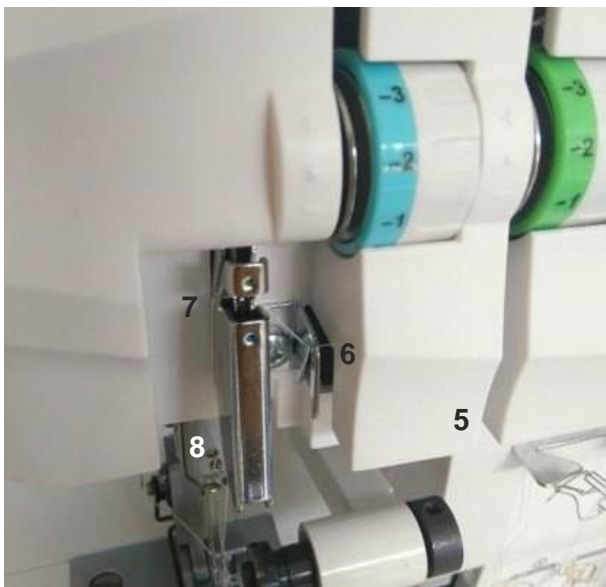


Pull about 10 cm of thread through the gripper and then under the left bottom of the foot, pose over the top gripper at the back of the stitch plate.

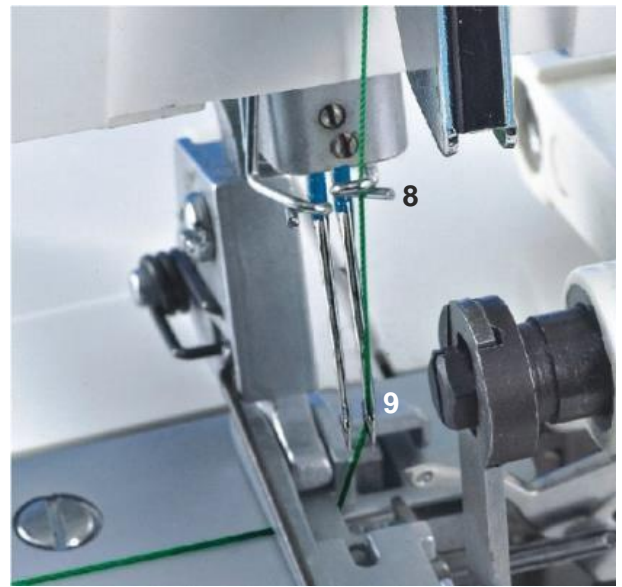


Threading the right needle (green)

Thread thread according to the following steps 1 through 9.

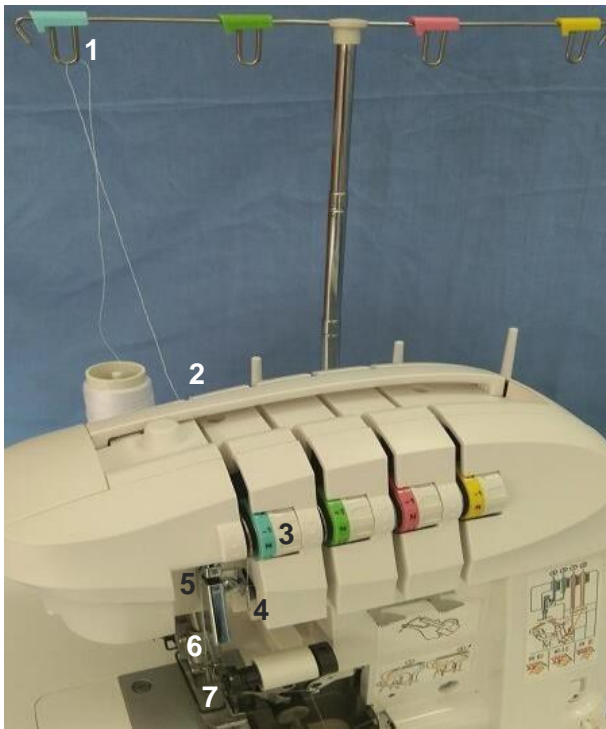


Note: The thread must run through the top hole as shown in the figure, step 7.



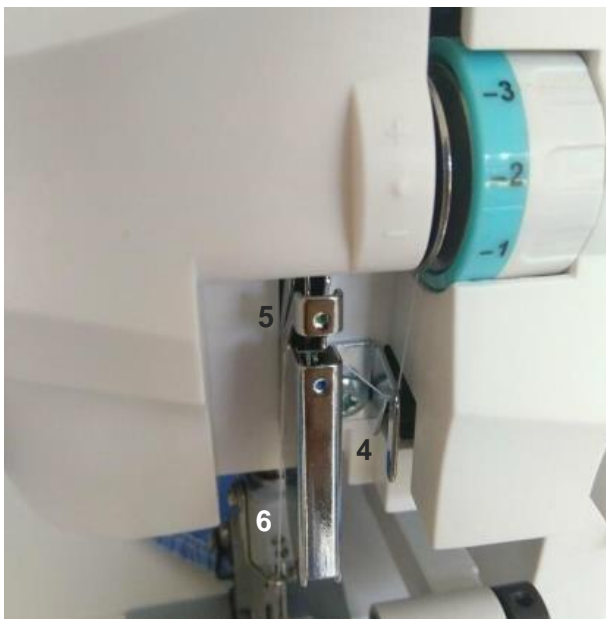
Pull about 10 cm of thread through the gripper and leave it slowly under the foot.

Tip: To make threading the needle eye easier, use the tweezers included with the accessories and lower the foot.

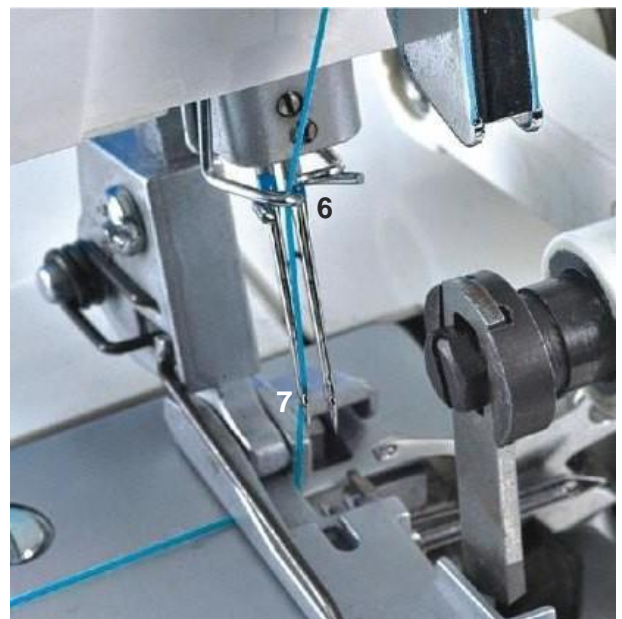


Threading the left needle (blue)

Thread thread according to the following steps 1 to 7.

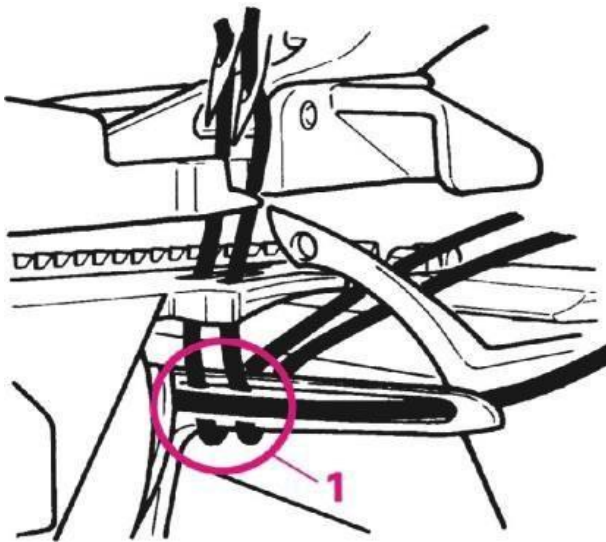


Note: The thread must run through the bottom hole as shown in the figure, step 5.

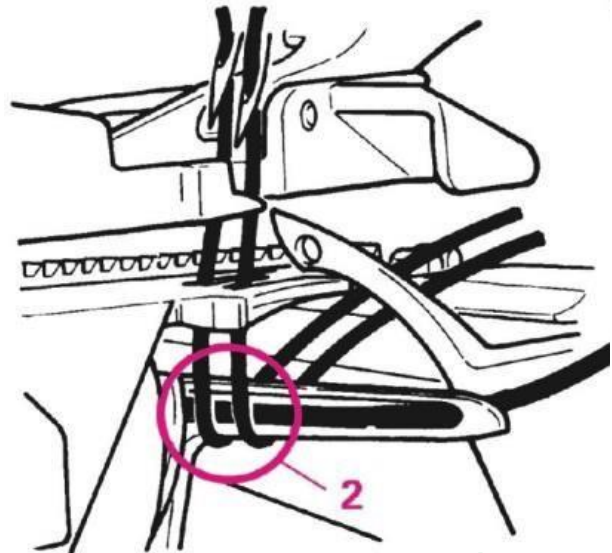


Pull about 10 cm of thread through the gripper and leave it slowly under the foot.

Tip: To make threading the needle eye easier, use the tweezers included with the accessories and lower the foot.



incorrectly



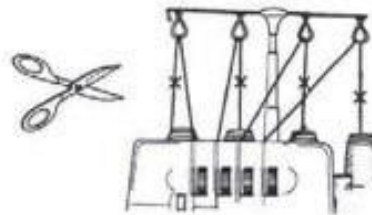
properly

Important threading tips: the needle thread should always be inserted last to avoid problems with threading the left-hand gripper thread, thread breakage, or incomplete stitches.

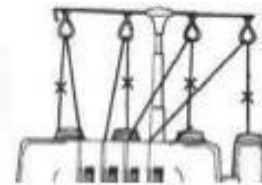
If the gripper thread breaks, remove the thread from the needle (or needles). Re-thread the gripper thread first, and only then the needle thread.

8. EXCHANGE NICI

- to change the thread type or color, cut the thread close to

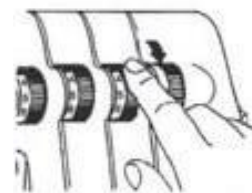


- place the new thread on the stand
- Tie new and old thread
- capture about 2-3 cm of threads, if they are shorter, you may have trouble tying them together



- Pull the two threads firmly to check that they are well bound

- pull the thread through the machine
- if the thread does not pass easily, check if the threads are not tangled
- before you thread the needle
- Cut the thread and thread it through the needle
- adjust the tension to the previous position



9. OPERATION OF OTHER COMPONENTS OF THE MACHINE

a. Lift lever feet

With all threads attached, there is no need to use the foot lift lever if further work will be done with the same threads and the same foot. When changing the material to be sewn, it is enough to gently raise only the front part of foot with the handwheel, and then slide the fabric under the raised foot. The fabric is automatically grabbed by the conveyor and fed forward.



The bead is raised and lowered by the bead lift lever 32. The maximum vertical lift of the bead, for extremely thick fabrics, is 4.5 mm and is achieved by tilting the lever as far up as possible.



b. Cutter thread / stitch finisher

After you finish sewing the stitch, continue sewing the thread chain until it reaches a length of 15-20 cm, pull the chain through the cutter 23, in order to cut the thread.



c. Replacement footer

Turn off the machine with the main switch

Removing the footer:

Raise the needles to the highest possible position (using the handwheel) and the foot (using the foot lift lever). Press the lever on the back (on the foot holder) to make the foot pop off. Be careful not to touch the sharp edges of the foot, which could get damaged from this.

Foot mount:

Gently lift the pin and clip in the guide to the fixing lever. Make sure the bead is properly attached.

Check:

Lift the bead lift lever and check that the bead is securely fastened and its position is correct.



d. Disconnecting the knife top

Turn off the machine using the main switch.

Open the gripper cover. Now move the knife handle as far to the right as possible.

Using the knob, raise the knife to its highest position.



Turn the tip of the upper blade counterclockwise until the knife is fixed in a horizontal position.



e. Connecting the knife top

Move the knife handle to the right and tilt the knife so that it wedges into the correct position. Close the gripper cover.

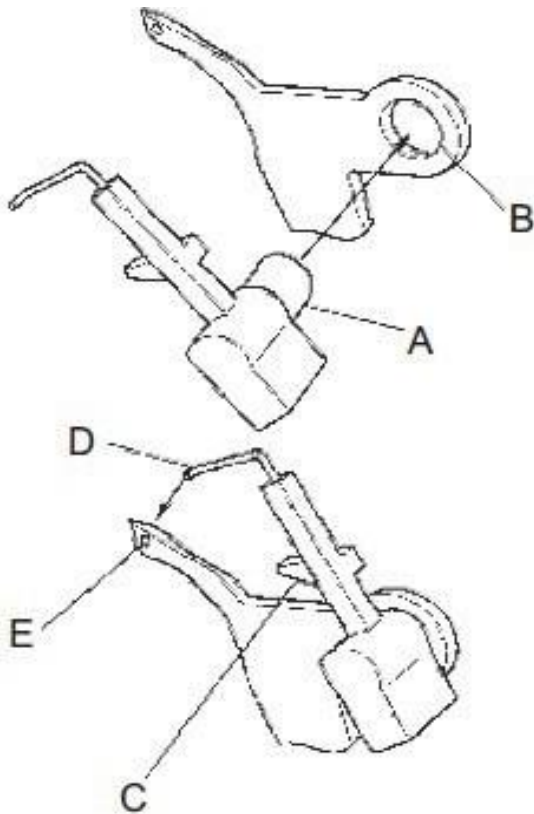


f. Attaching and using the top thread splitter

NOTE: Make sure that the power is off when attaching and removing the distributor.

- setting up the manifold:

- place the splitter (A)
- Position the splitter tab (C) on the top edge of the top picker
- place the tip of the splitter (D) in the hole in the top picker (E)



The divider must be fixed for all two-needle stitches and two-needle and three-needle end stitches. Remove the cuttings tray and open the cover, the divider is located in the upper right corner under the cover.

After use, place the distributor with the po-return in the storage compartment (pictured).

- restoring the top pick:

remove the distributor tip (D) from the holes (E) and (B)

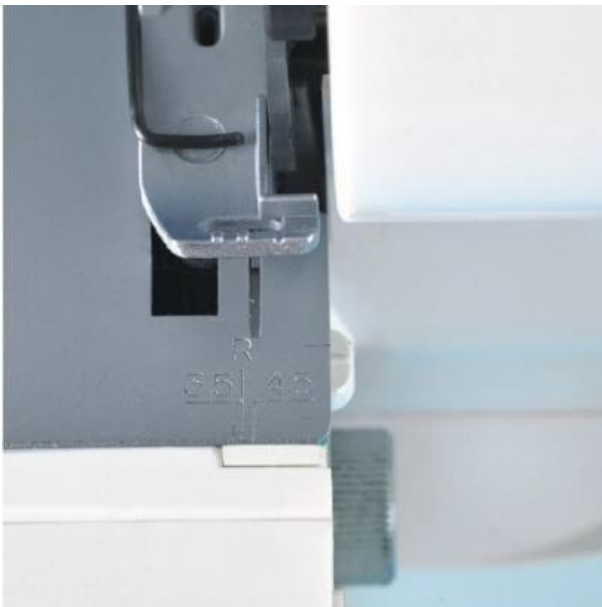
10. SEWING



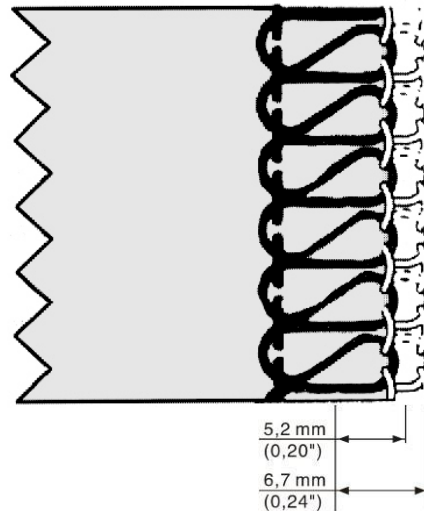
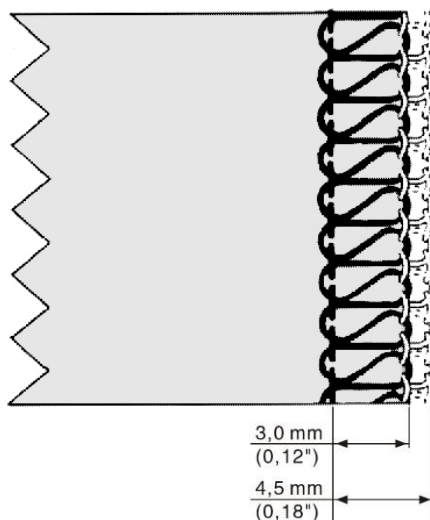
a. Set stitch width

Turn off the machine using the main switch.

The stitch width is adjustable with the adjustment knob, from 3mm to 4.5mm for the right needle and from 5.2mm to 6.7mm for the left needle. The stitch width is easier to adjust if the top knife is moved slightly to the right.



Adjustability is marked on the needle table. R indicates the width for wrapped sutures.





b. Stitch length adjustment

The stitch length can be adjusted as needed from F (1 mm) to 4 mm by turning the stitch length adjustment knob 31.

For most sewing work, the stitch length adjustment knob should be set to 3 mm. When working with dense weave fabrics, set the adjustment knob to 4 mm.



c. Adjustable pressure foot

The machine's factory-set foot pressure is suitable for sewing medium-thick materials.

The sewing foot pressure does not need to be changed for most materials. However, if lighter or heavier materials are being sewn, it may need to be .

In this case, insert a small screwdriver from the accessory box into the hole with the inner screw 22 to adjust the pressure of the sewing foot. Adjust the pressure by turning the screwdriver left or right. For light fabrics: decrease the pressure by turning to the left. For heavy fabrics: increase the pressure by turning clockwise.

Note: Turn the screwdriver clockwise until the inner screw does not touch the top cover. Then turn the screw back to the left by turning it 6 times. Now the standard sewing foot pressure is set.



d. Differential transport (differential)

A differential is a fabric transport system that "stretches" or "pulls" the fabric when the alignment of the conveyor teeth (A and B) is different. The differential transport consists of two conveyor teeth (A+B), placed one behind the other, which move the fabric. Adjustment lever 30 controls the amount and speed of the material being moved. It can be regulated from 0.7 to 2.0.

The standard adjustment is 1.0, with the front teeth of the transporters (A) synchronously with the rear teeth of the transporters (B), i.e. the front and rear teeth of the transporters move the same amount of material.

Note: The efficiency of the differential transport also depends on the selected stitch length and the type of material used.

- pulling effect

The drawstring edge is most suitable for hemming sleeves, yokes, fronts and backs, and skirts, etc.

Set the differential adjustment slider to a position below "1.0". The setting depends on the type of fabric, so adjust the adjustment first and test before sewing properly.

If the tension adjustment knob is set to "3" or more, the setting of the main transporter will change to "3" automatically if the differential slider is set to 2,0".

For ordinary hemming, set the differential slider to the "1,0" position.

- stretching effect

The stretched edge is ideal for decorative hemming of collars, sleeves, skirts of loosely woven or braided fabrics.

Set slider adjustment differential to position "1,0".

To get the desired effect, gently pull the fabric from the back and front of the foot, holding the seam.

The following table indicates possible settings for differential transport. However, before you start working, do an individual test on the material in question.

Fabric Type/Effects	Differential transport settings		
	Wrinkle >2,0<	Normal >1,0<	Stretching >0,5<
Very thin fabrics: Silk, satin, poplin, taffeta, lining material		•	•
Normal fabrics: Lightweight cotton, medium-woven cotton, thin corduroy, thermoactive materials		•	
Thin knit: Jersey, polo fabric, thin hand-stitched knit, cuffs	•	•	
Thick knits: Sports sweatshirt fabrics, thick cuffs, hand-sewn knits	•		
Stretch wave effect: medium and lightly woven hand knits, jersey, hand sewn knits, ruffle trims on sleeves and collars, skirt hemming, dense stitch sewn pieces			•
Crimping: Frills of delicate fabrics and lace, seam allowance in circular cuts, blouse cuts, shirts, skirts, round pockets, flaps and lapels, creasing or slight loosening of sleeve (shoulder) cuts, sewing sleeves to cuffs and welts	•		



e. Sewing using the free arm

Slide out the accessory bin.



The free arm is especially useful when sewing things with a cylindrical shape, such as pant legs and sleeves. Apply the fabric to the free arm.



f. Mounting container for accessories

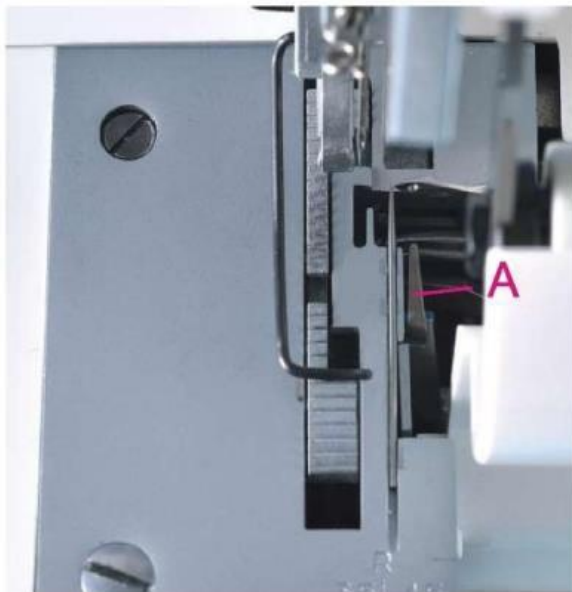
Position the container so that it is level with the po- ular of the machine, and then slide it in the right direction to the latch.



g. Finger adjustment stitch (stitch width slider)

If you are sewing with a standard overlock stitch, the stitch finger slider should be set to the "S" position.



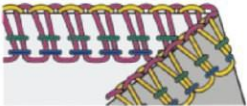



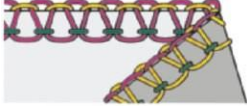

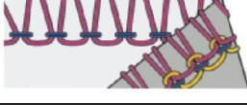

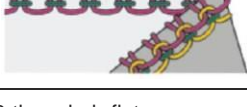

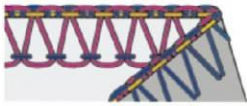





- If you are sewing with a rolling stitch you must undo the stitch finger slider by setting it to the "R" position.
- Whenever you move the stitch finger slider, remember to push it all way in (no matter which direction you move it).



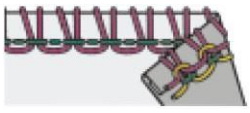





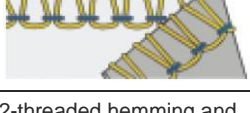





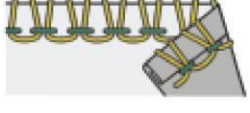

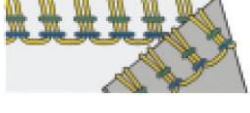



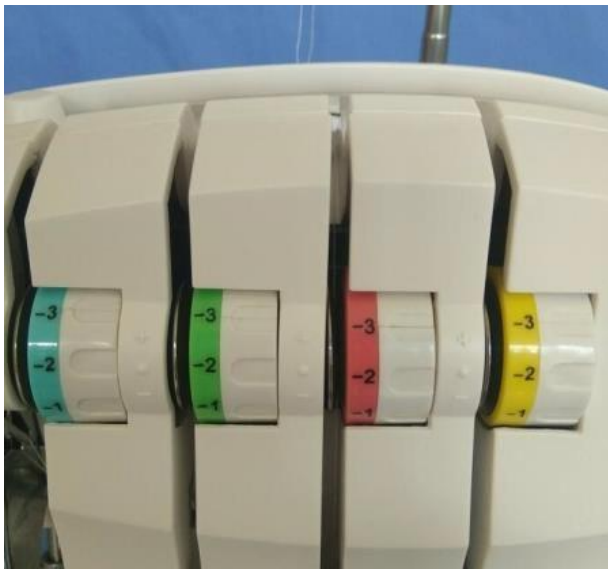
The toe of the A foot will glide forward.

With this setting, all standard seams can be sewn.

11. OVERVIEW STITCHES

Program	Application	Needle position Left  right 	Thread tension Setting for medium woven materials and normal polyester yarns				Stitch length	Stitch width	Stitch finger slider position	Converter without/with
			blue	green	pink	yellow				
4-thread stretch seam 	The stitch is ideal for medium weight or heavy fabrics.		-2	-2	-2	-2	4	R	S	WITHOUT
3-thread overlock (overcasting) seam - wide 	The stitch is ideal for thickly woven and non-fraying fabrics.		-2		-2	-2	4	R	S	WITHOUT
3-thread overlock (overcasting) seam - narrow 	The stitch is ideal for delicate and easily frayed fabrics.			-2	-2	-2	4	R	S	WITHOUT
3-threaded overcasting and rolling seam - wide 	The stitch is ideal for thickly woven and non-fraying fabrics.		-2		-5	N	4	R	S	WITHOUT
3-threaded hemming and rolling seam - narrow 	The stitch is ideal for delicate and easily frayed fabrics.			-2	-4,5	N	4	R	S	WITHOUT
3-threaded flat seam - wide (ZYG-ZAK) 	The stitch is ideal for medium woven fabrics. The zigzag stitch stitches the fabric sections together, while the decorative stitch finishes them nicely.		-4,5		-3	-1,5	4	R	S	WITHOUT
3-threaded flat seam - narrow (ZYG-ZAK) 	The stitch is ideal for medium woven fabrics. The zigzag stitch stitches the fabric sections together, while the decorative stitch finishes them nicely.			-3	-1	+0,5	4	R	S	WITHOUT
3-threaded thrower 	The stitch is ideal for medium woven materials With a decorative finish.			-1	+3,5	-1	F	R	R	WITHOUT

Program	Application	Needle position Left  right 	Thread tension Setting for medium woven materials and normal polyester yarns				Stitch length	Stitch width	Stitch finger slider position	Conver- ter without/ with
			blue	green	pink	yellow				
3-threaded hemming and rolling seam - wrapped 	The stitch is ideal for fine and mid-woven materials with a decorative finish. It is used with wrapping the end of the fabric.			N	+ 2	+3,5	F	R	R	WITHOUT
2-thread overlock (overcasting) seam - wide (ZYG-ZAK) 	The stitch is ideal for medium woven fabrics. The zigzag stitch stitches pieces of fabric together.		-4			-2	4	R	S	Z
2-thread overlock (overcasting)- narrow seam (ZYG-ZAK) 	The stitch is ideal for delicate materials. The zigzag stitch stitches pieces of fabric together.			-3		-2	4	R	S	Z
2-threaded hemming and rolling seam - wide 	The stitch is ideal for delicate materials.		-2			-3	4	R	S	Z
2-threaded hemming and rolling seam - narrow 	The stitch is ideal for delicate materials.			-2		-2,5	4	R	S	Z
2-threaded thrower - wrapped 	The stitch is ideal for very delicate materials. With a decorative finish.			-1,5		+1,5	F	R	R	Z
2-threaded throwing and rolling - wrapped 	The stitch is ideal for very delicate materials. With a decorative finish.			-1		N	F	R	R	Z
2-needle, 3-strand stretch suture 	The stitch is ideal for very delicate and extremely stretchy materials. Simultaneous stitching of pieces and overlocking.		-2	-2		-2,5	4	R	S	Z



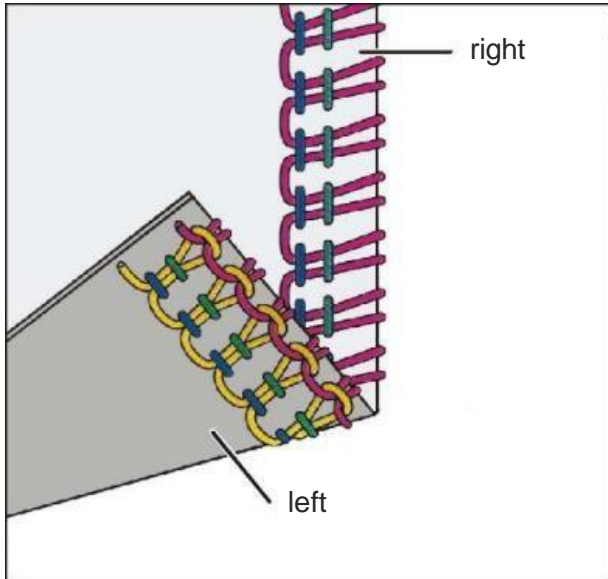
a. Setting thread tension for individual stitches

On the following pages you will find instructions for adjusting the thread tension for all programs. Adjust the thread tension knob so that the dot is at your desired setting.

Thread tension settings are recommendations only. The type of material, the quality of the thread, or the thickness of the needle will affect the result of the stitch you sew. For this reason, it is always a good idea to do a test stitch first to see if the thread weave is appropriate. It may be necessary to change the thread tension setting.

Tip: When making a test stitch, it is a good idea to use the colors corresponding to each thread tension adjustment separately, for example, thread the top pick with pink thread and the bottom pick with yellow thread.

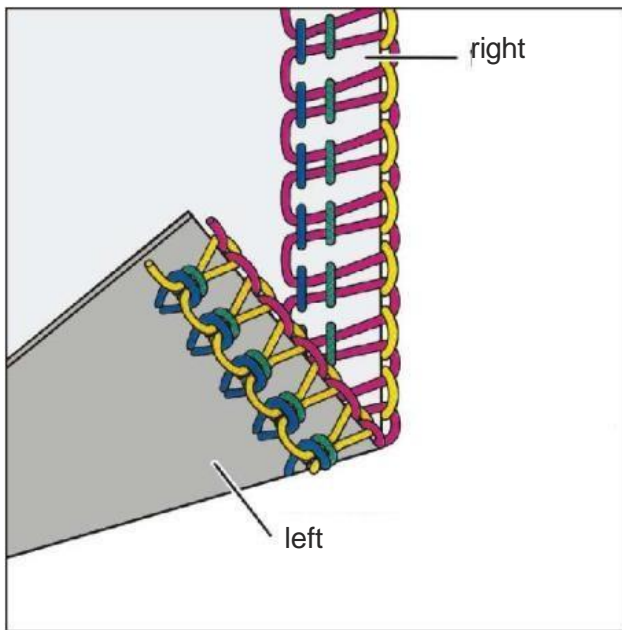
Note: Thread tension for individual programs (needle position, stitch length, stitch width, etc.) can be found in the program overview.



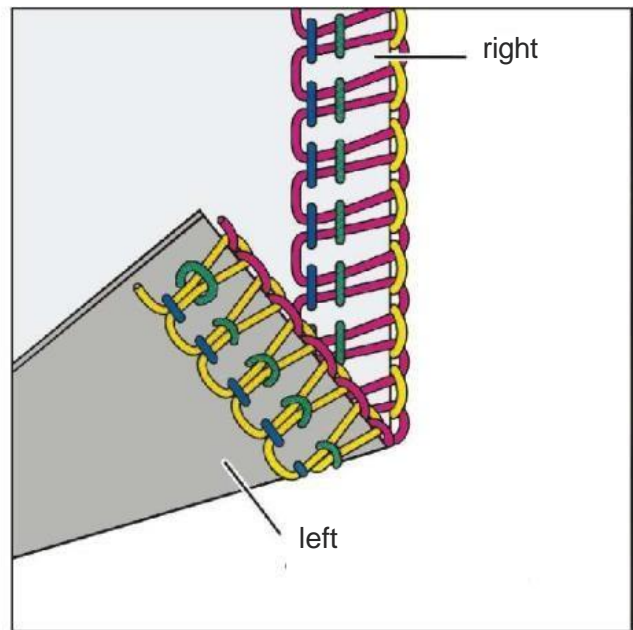
4-thread stretch seam

blue	green	pink	yellow
-2	-2	-2	-2

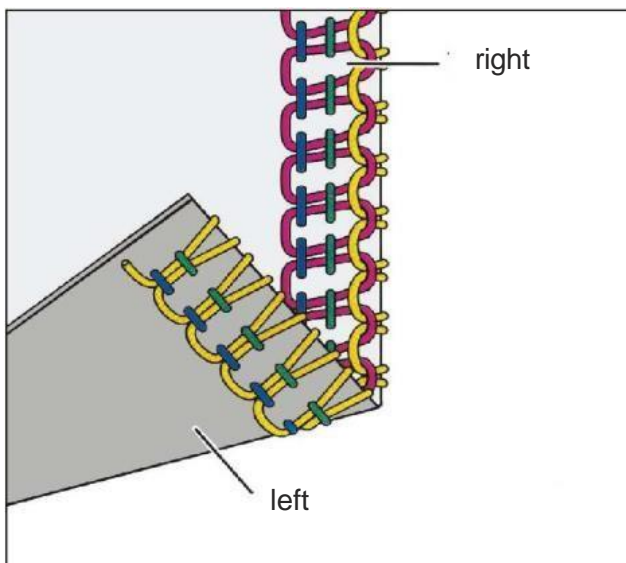
If the thread tension is optimally set, the two gripper threads should intertwine at the edge of the fabric.



The thread of the left needle (blue) is not tensioned enough. Increase the tension of the blue thread.

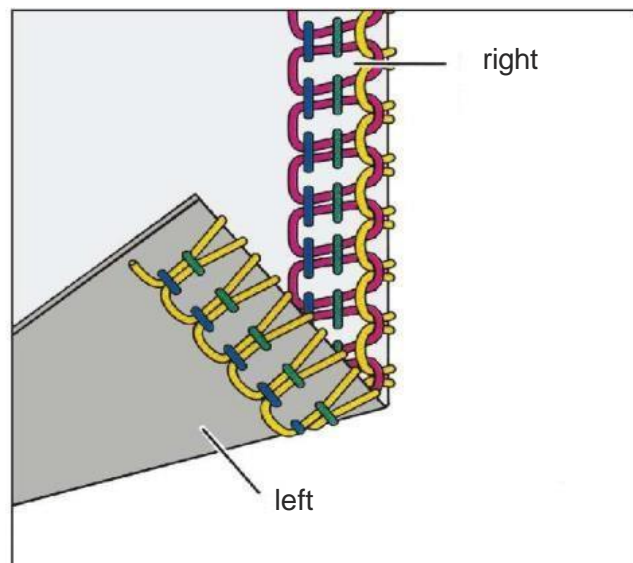


The thread of the right needle (green) is not tight enough. Increase the tension of the green thread.



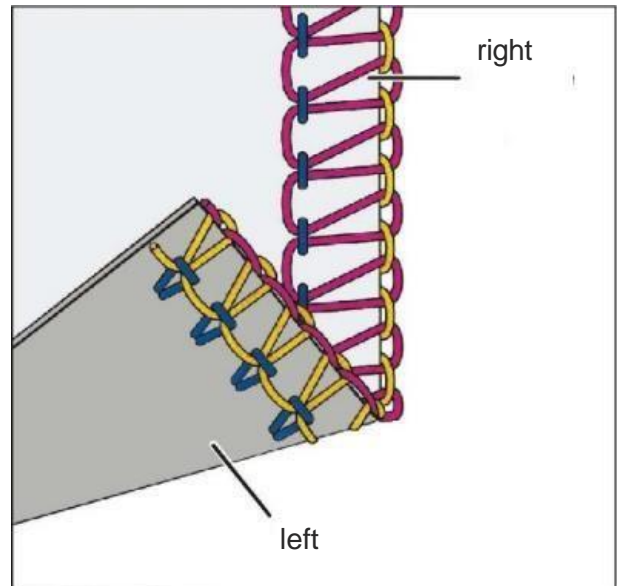
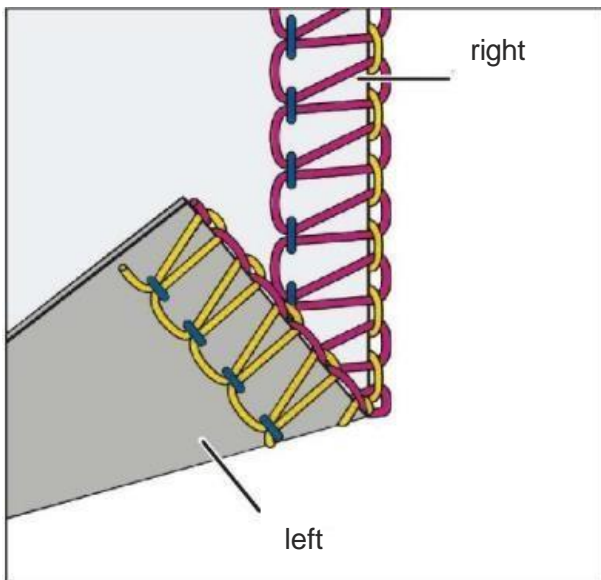
The top gripper thread (pink) is visible on the reverse side of the fabric.

Increase the tension of the pink thread and/or decrease the tension of the yellow thread.



The lower gripper thread (yellow) is visible on the reverse side of the fabric.

Increase the tension of the yellow thread and/or decrease the tension of the pink thread.

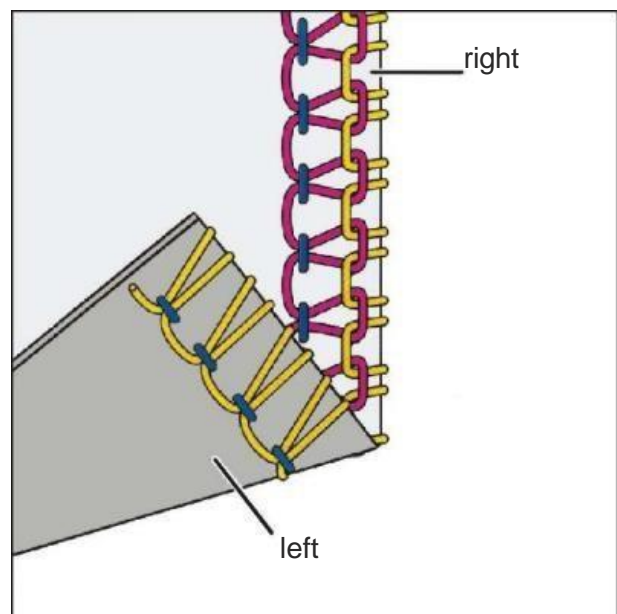
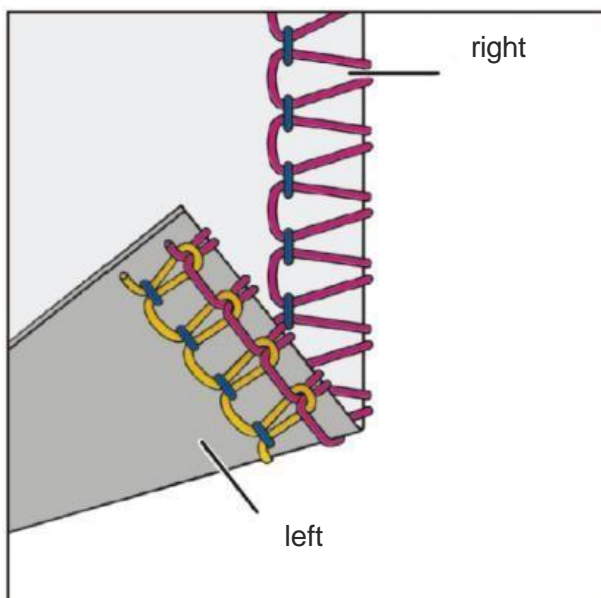


3-thread overlock (overcasting) stitch.
tension-

The needle thread has little tension. Increase the

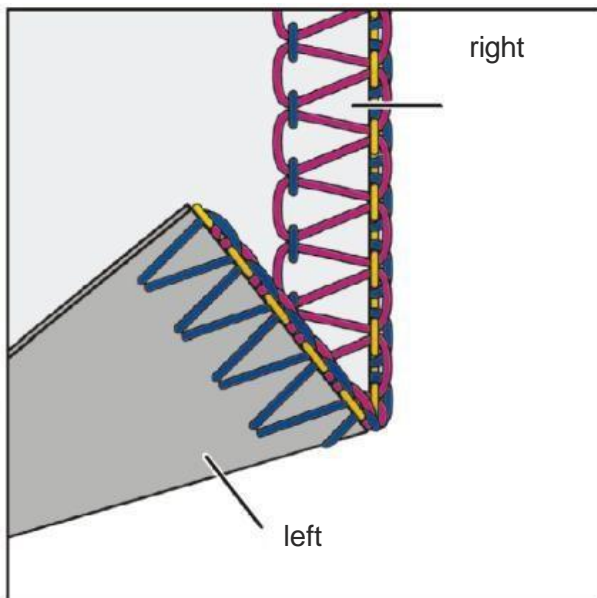
The use of a suitable needle thread.

wide	blue	green	pink	yellow
	-2		-2	-2
narrow	blue	green	pink	yellow
		-2	-2	-2

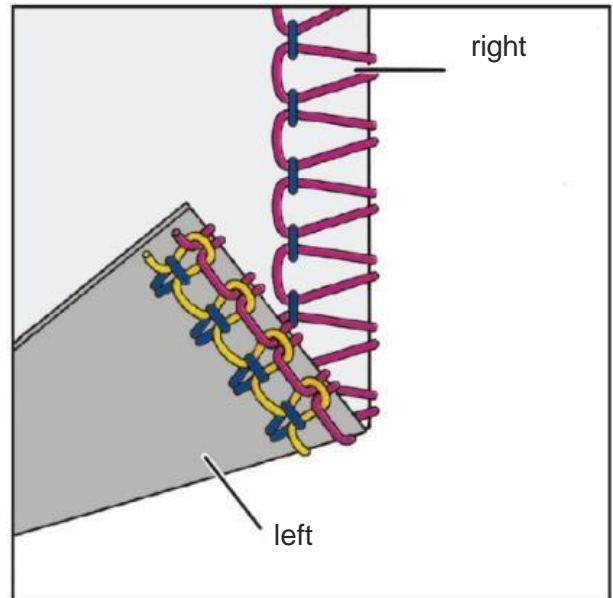


The top gripper thread (pink) is visible on the reverse side of the fabric.
Increase the tension of the pink thread and/or decrease the tension of the yellow thread.

The lower gripper thread (yellow) is visible on the reverse side of the fabric.
Increase the tension of the yellow thread and/or decrease the tension of the pink thread.

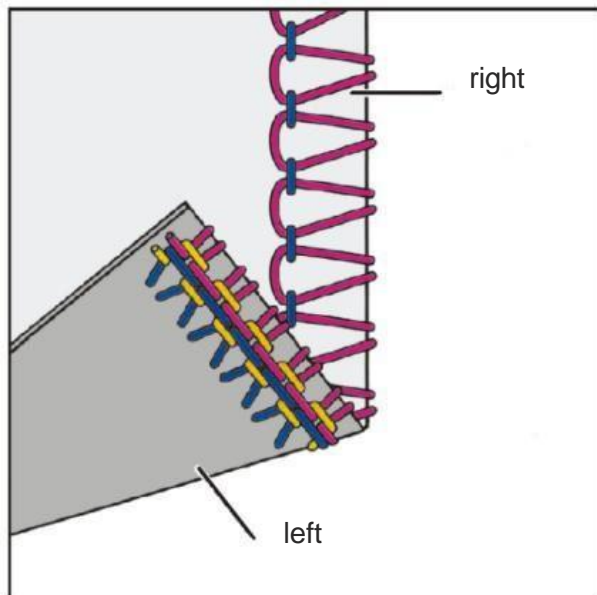


3-thread flat suture (ZYG-ZAK).
tension-

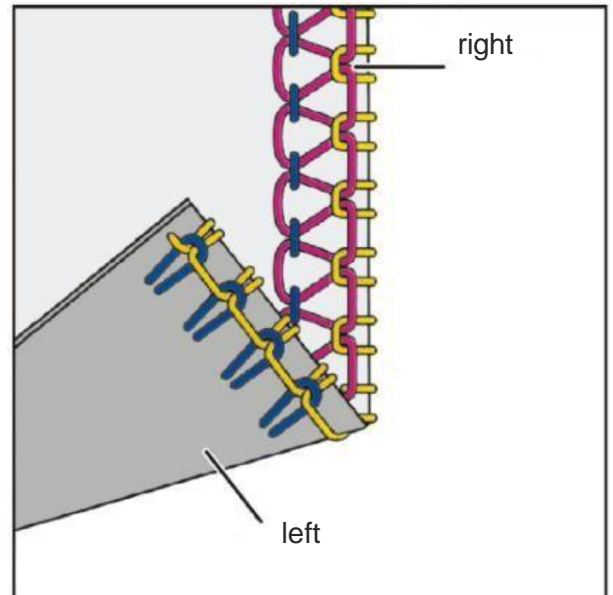


The needle thread is low tension. Increase the
The use of a suitable needle thread.

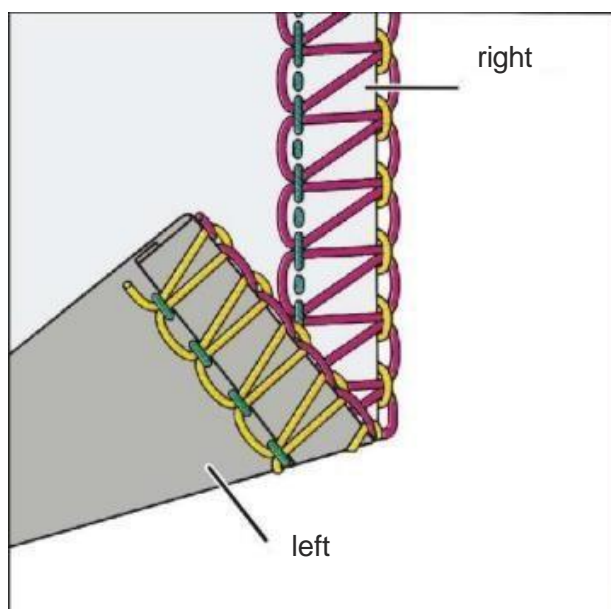
wide	blue	green	pink	yellow
	-4,5		-3	-1,5
narrow	blue	green	pink	yellow
		-3	-1	+0,5



The top gripper thread (pink) is visible on the reverse side of the fabric.
Increase the tension of the pink thread and/or decrease the tension of the yellow thread.

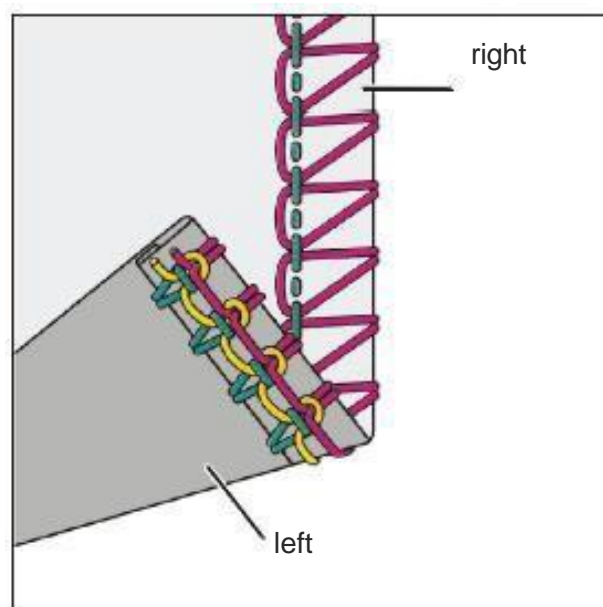


The lower gripper thread (yellow) is visible on the reverse side of the fabric.
Increase the tension of the yellow thread and/or decrease the tension of the pink thread.

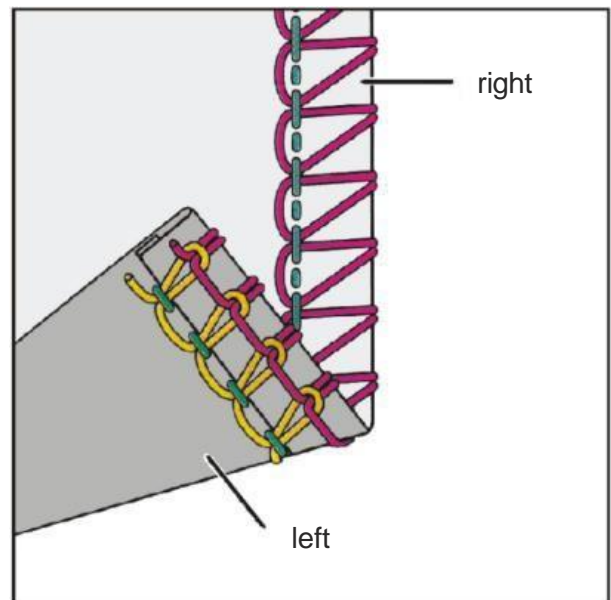


3-threaded edging

blue	green	pink	yellow
	-1	+3,5	-1

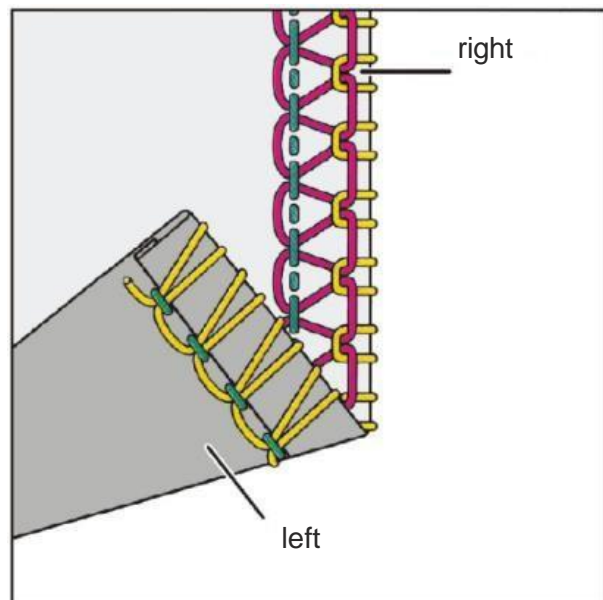


The needle thread (green) is low in tension. Increase the tension of the corresponding needle thread.



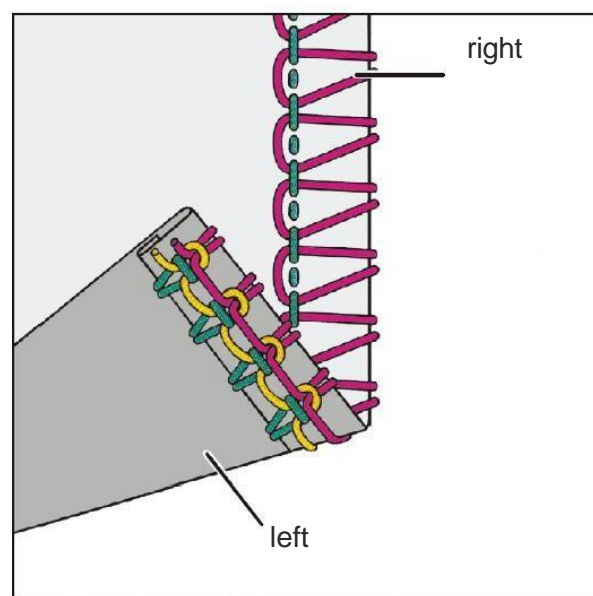
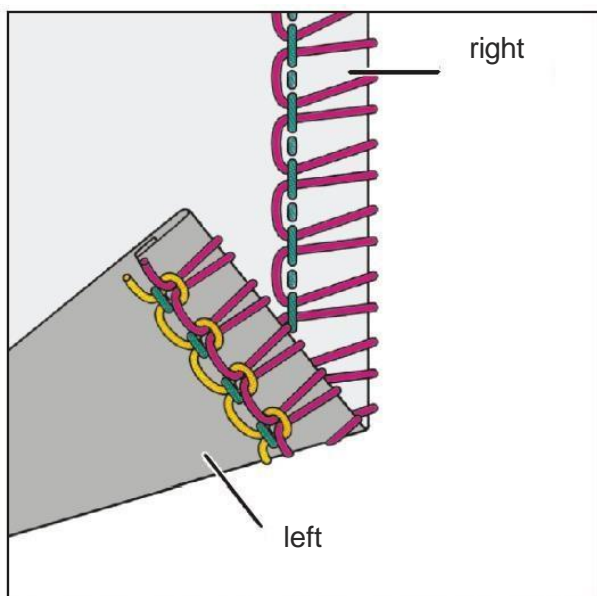
The top gripper thread (pink) is visible on the reverse side of the fabric.

Increase the tension of the pink thread and/or decrease the tension of the yellow thread.



The lower gripper thread (yellow) is visible on the reverse side of the fabric.

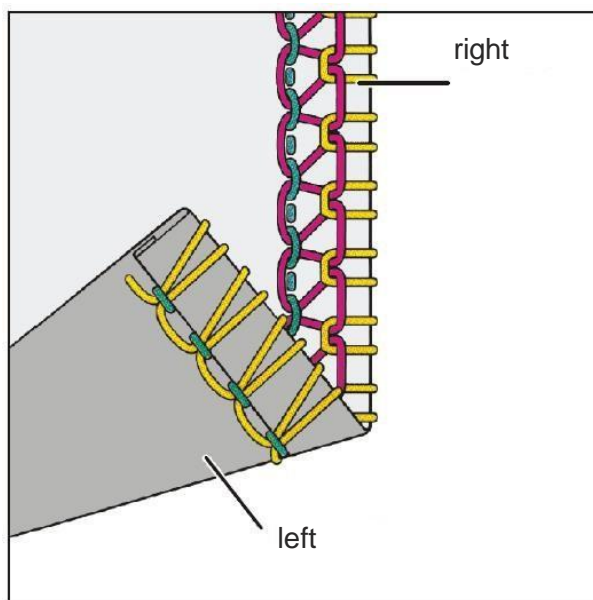
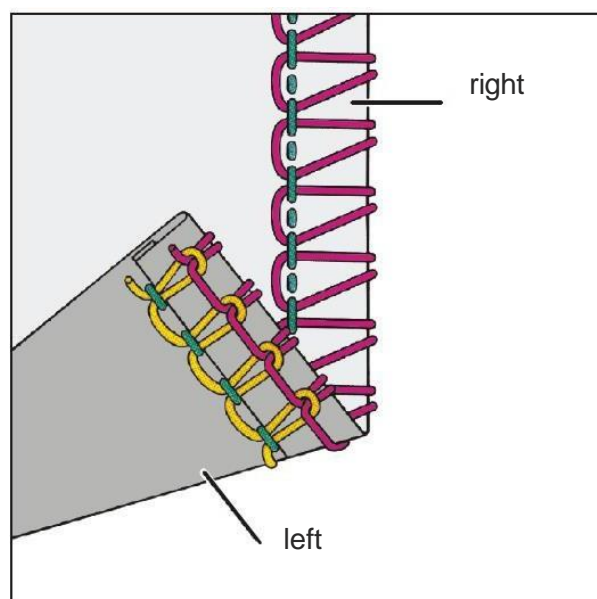
Increase the tension of the yellow thread and/or decrease the tension of the pink thread.



3-threaded hemming and rolling seam - wrapped

blue	green	pink	yellow
	N	+2	+3,5

The needle thread (green) is low in tension. Increase the tension of the corresponding needle thread.

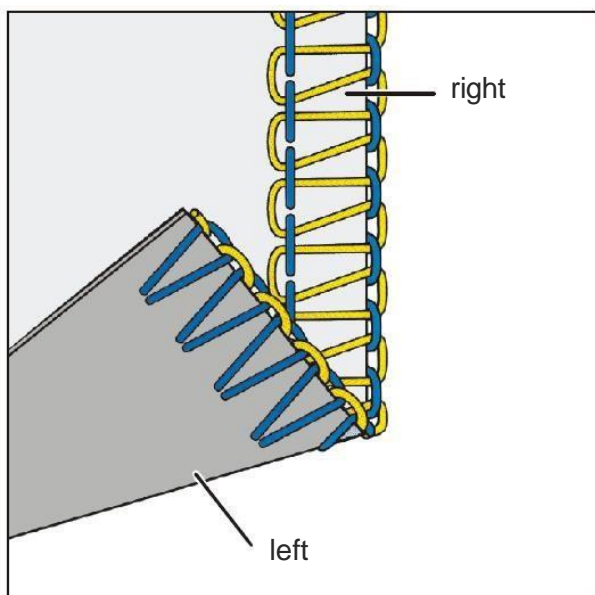


The top gripper thread (pink) can be seen on the reverse side of the fabric.

Increase the tension of the pink thread and/or decrease the tension of the yellow thread.

The lower gripper thread (yellow) is visible on the reverse side of the fabric.

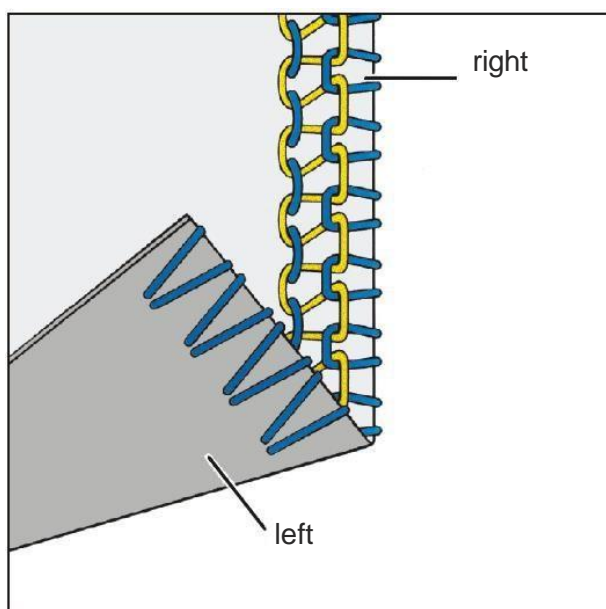
Increase the tension of the yellow thread and/or decrease the tension of the pink thread.



2-thread overlock (overcasting)- narrow seam (ZYG-ZAK)

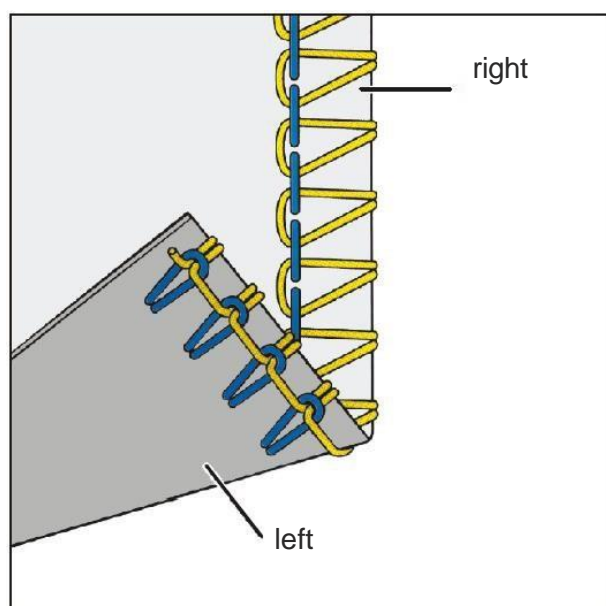
wide	blue	green	pink	yellow
	-4			-2
narrow	blue	green	pink	yellow
		-3		-2

Note: Include converter for sewing 2-thread closure seams



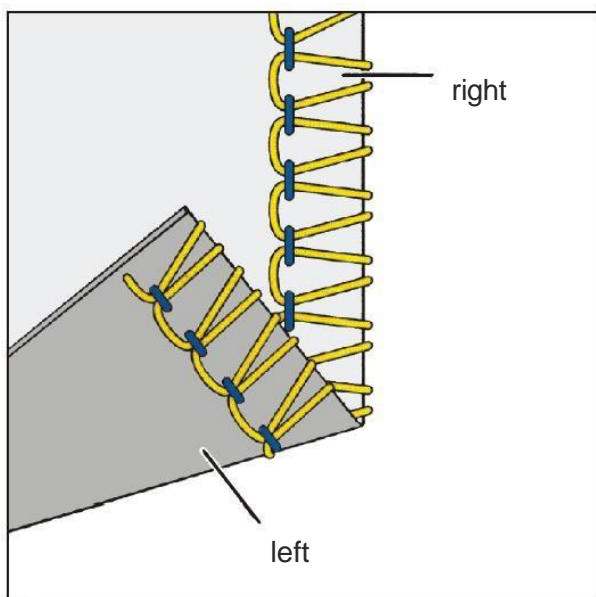
The needle thread is not tight enough or the thread of the lower gripper is too tight (yellow).

Increase the tension of the corresponding needle thread and/or decrease the tension of the yellow thread.



The lower gripper thread (yellow) is visible on the reverse side of the material.

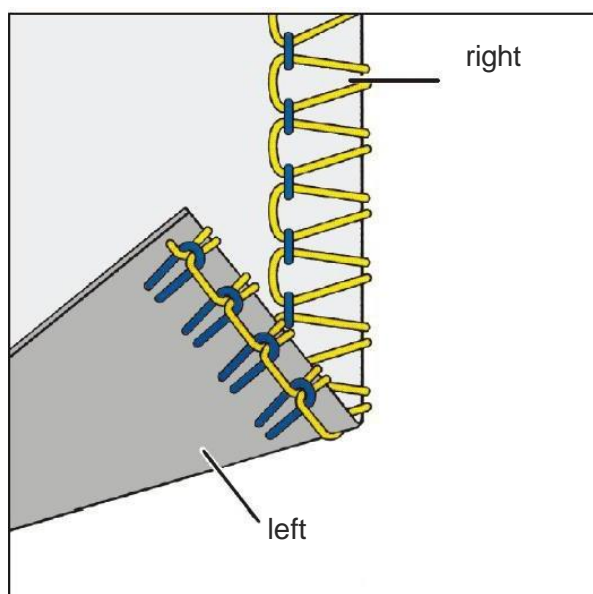
Increase the tension of the yellow thread and/or decrease the tension of the corresponding needle thread.



2-threaded hemming and rolling seam

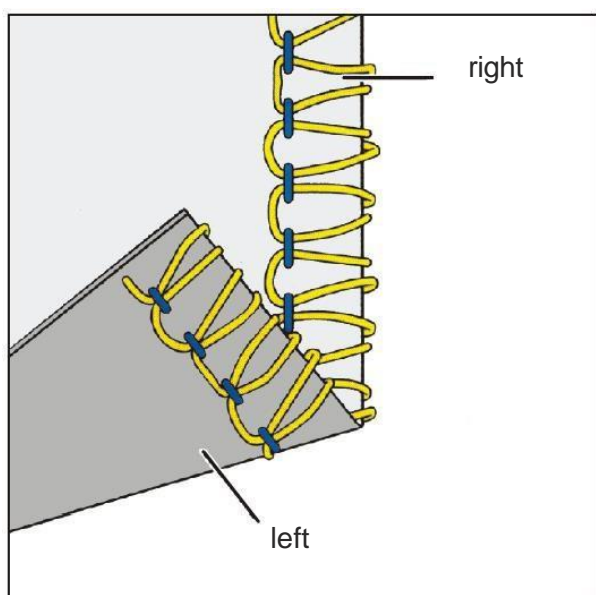
wide	blue	green	pink	yellow
	-2			-3
narrow	blue	green	pink	yellow
		-2		-2,5

Note: Include a converter for sewing 2-thread overlock stitch.



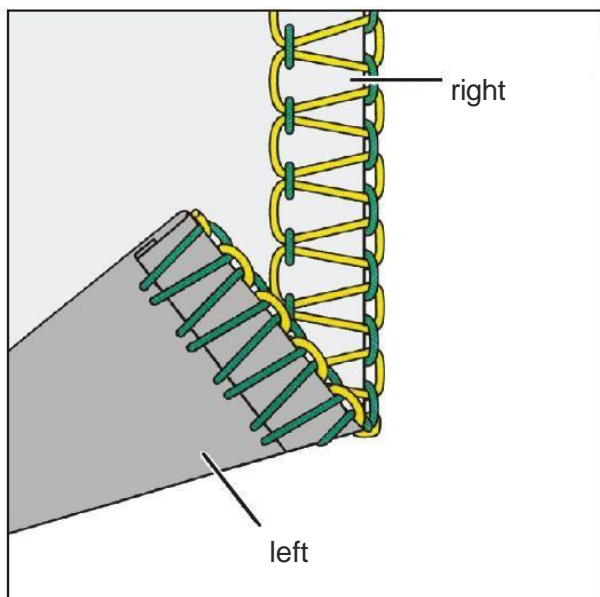
The needle thread is too loose.

Increase the tension of the corresponding needle thread and/or decrease the tension of the yellow thread.



The thread of the lower gripper (yellow) is too loose.

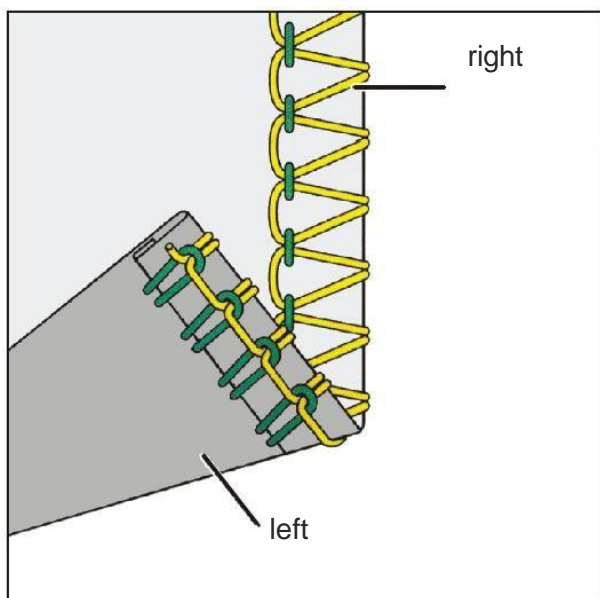
Increase the tension of the yellow thread.



2-threaded wrapping machine

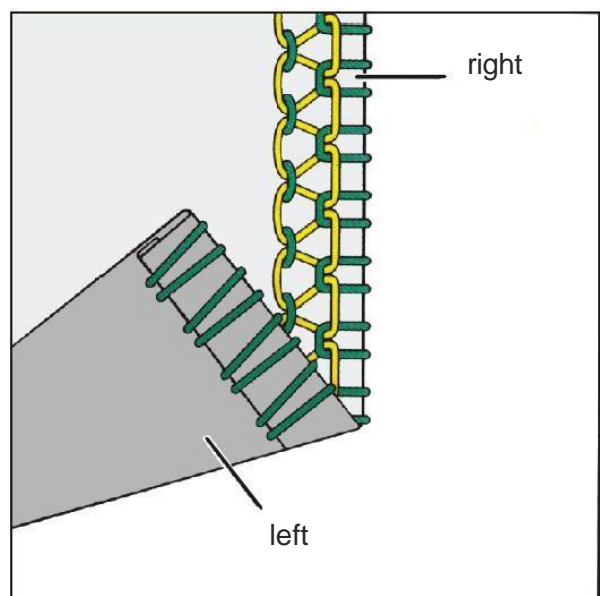
wide	blue	green	pink	yellow
	-1,5			+1,5

Hint: Include a converter for sewing a 2-threaded hem.



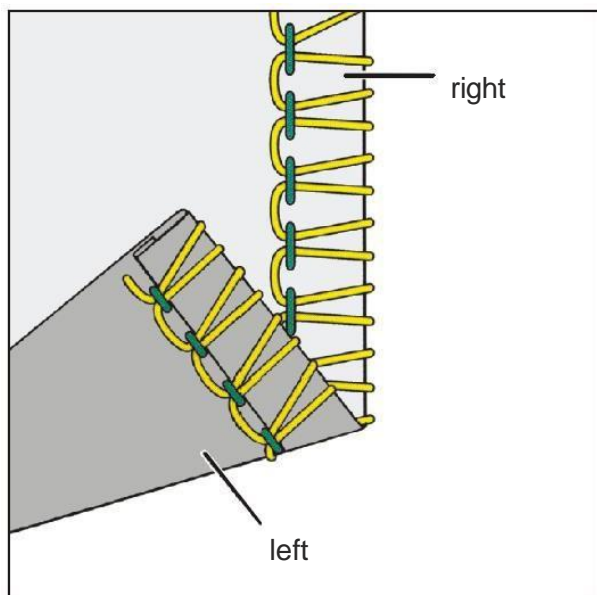
The right needle thread (green) is too tight.

Reduce the tension of the green thread and/or increase the tension of the yellow thread.



The thread of the lower gripper (yellow) is too tight.

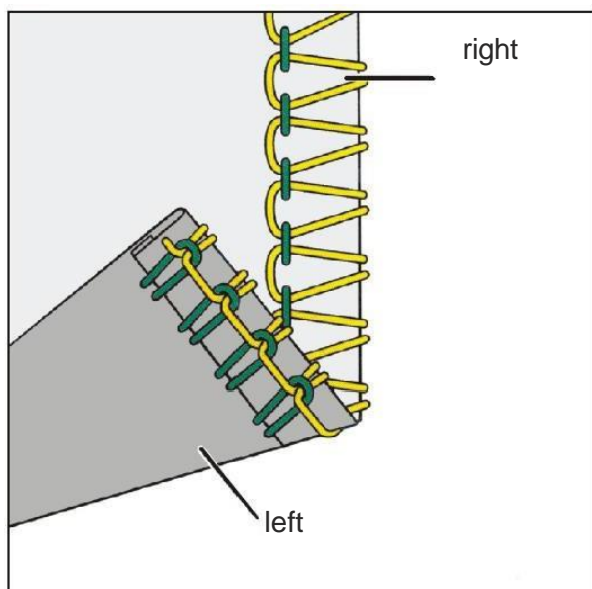
Reduce the tension of the yellow thread and/or increase the tension of the green thread.



2-threaded throwing and rolling - wrapped

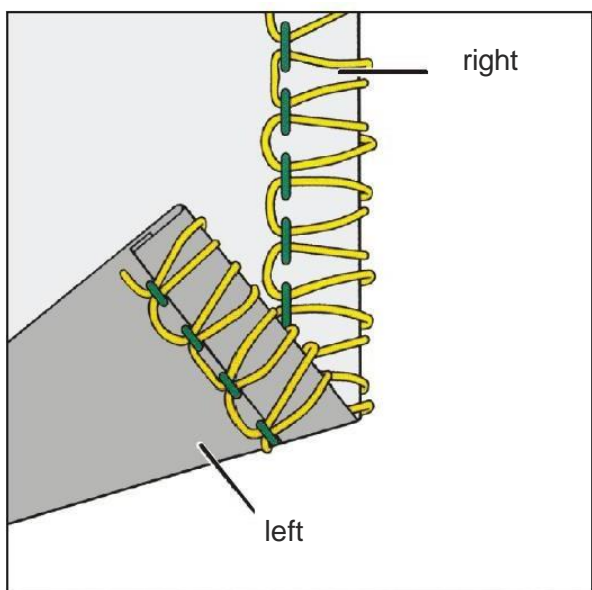
wide	blue	green	pink	yellow
	-1			N

Hint: Include a converter for sewing a 2-threaded wrapped hem.



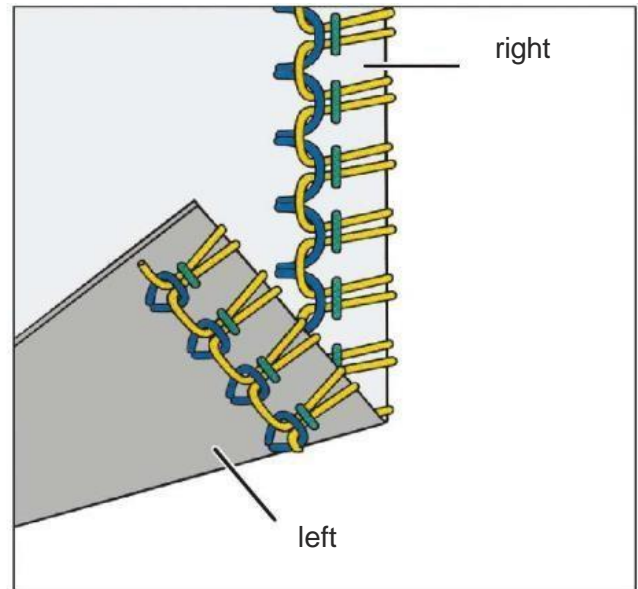
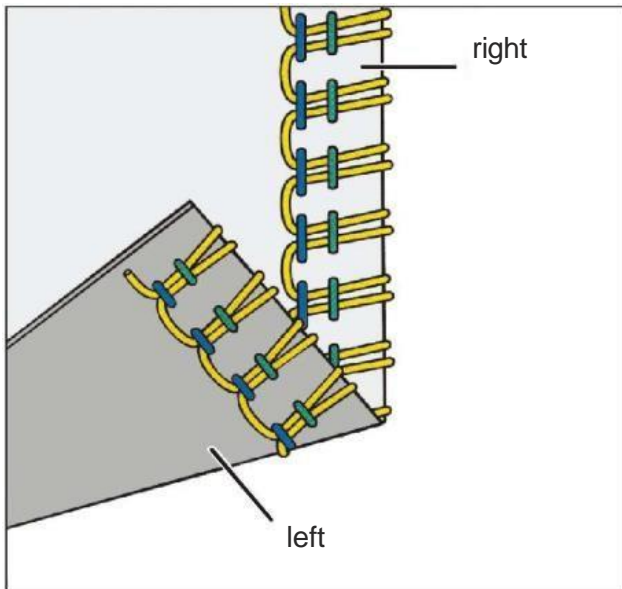
The right needle thread (green) is too loose.

Increase the tension of the green thread and/or decrease the tension of the yellow thread.



The thread of the lower gripper (yellow) is too tight.

Reduce the tension of the yellow thread and/or increase the tension of the green thread.

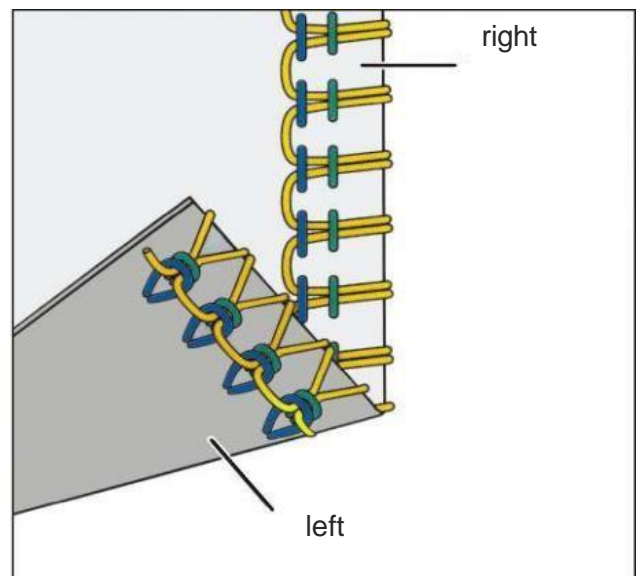
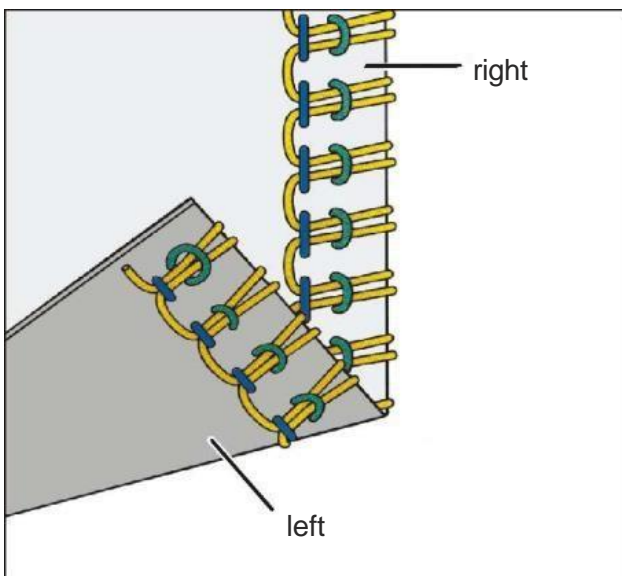


2-needle, 3-strand stretch suture

blue	green	pink	yellow
-2	-2		-2,5

Note: Include converter for sewing 2-needle, 3-strand closing seam

The left needle thread (blue) is too loose. Increase the tension of the blue thread.



The right needle thread (green) is too loose. Increase the tension of the green thread.

The thread of the lower gripper (yellow) is too tight.

Reduce the tension of the yellow thread.

12. OVERLOCK MANTENANCE / CLEANING OVERLOCK



Unplug the overlocker from the power supply. Open the gripper cover. Unplug the top knife and remove the foot.



Use the brush from the accessory bin to remove thread scraps from the upper and lower knives, the differential transport area and the pickers.



a. Oiling overlock

Unplug the overlocker from the power supply. Lubricate the area shown in the illustration above with oil from the accessory tray every time you clean the overlock. One or two drops of machine oil is enough. All other parts are made of special materials and do not need lubrication.

b. Cleaning rubber bases

Occasionally wipe the rubber under- stakes with a liquid with alcohol. This ensures good stability.



c. Replacing the lower knife

Unplug the overlocker from the power supply. Open the gripper cover. Unplug the upper knife and move the needle(s) to the highest position. Use a large screwdriver from the accessory bin to loosen the screw securing the lower knife A. Remove the screw and remove the lower knife.



Inserting the new knife: Insert the new lower knife into the appropriate recess and tighten the retaining screw. Turn on the upper knife and close the front cover.

13. ADDITIONAL ACCESSORIES

The following section provides descriptions for overlock feet that can be additionally purchased to take full advantage of the overlock machine's capabilities.

- Cordon sewing foot:

This foot is used for sewing cordon and synthetic threads up to 1.0 mm thick. It makes wavy borders on delicate fabrics, such as for evening and wedding dresses or curtains.

Machine setup:

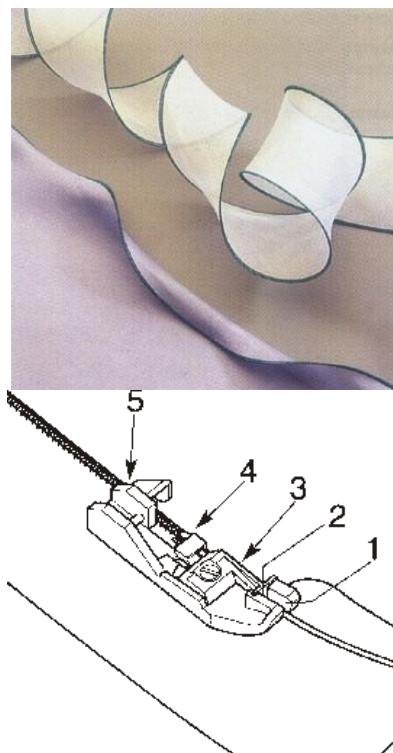
Set the machine to roll 2-thread rolling hem stitch.

Sewing:

Raise the needle to the highest position and attach the cordon sewing foot. Insert the cordon into the guide **1** and pull it through the hole **2** into the side guide **3**.

Then place the thread under guides **4** and **5** so that it sticks out about 10cm backwards. Attach the cordon with a few stitches, then place the fabric under the foot and continue sewing (the right side of the fabric should be facing up). Make a test stitch.

Note: The wavy effect can be accentuated by setting the differential transport to 0.5 and cutting the stitch line diagonally.



- rubber sewing foot:

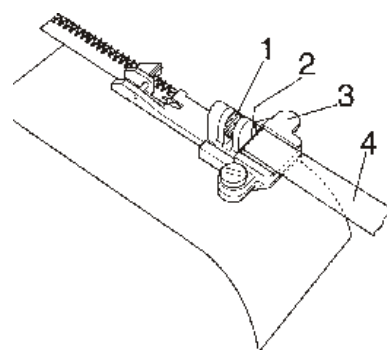
This foot is used to sew the elastic. At the same time, the fabric is finished and stitched, and pulled with an elastic band.

Setting up the machine

Set the machine to a 4-thread overlock stitch. The width of the seam depends on the width of the elastic band.

Sewing:

Raise the needle to the highest position and attach the rubber sewing foot. Loosen screw **1** so that the brake **3** at hole **2** is open about 2 mm. Slide the elastic **4** into hole **2** and pull it under the bead so that it extends behind it for about 10cm. Tighten the screw **1** again. The tighter it is, the more resistance the brake will exert on the rubber, so the greater the wrinkle will be in the final result. Perform a test stitch.



The next step is usually to sew the elastic to the left side with one of the elastic (stretch) stitches (see figure).

Sewing in inflexible tape:

Prevents stretching of seams (e.g., shoulder seams) in stretch fabrics.

Loosen **screw 1** until the inflexible tape can pass unhindered through **hole 2**.

- crease foot:

The elastic crease foot allows you to sew two batches of fabric together while creasing the bottom layer of fabric. It is ideal for sewing children's clothes, combining crinkled ruffles with curtains, as well as table covers or tiered skirts.

Machine setup:

Set the machine to 4-thread overlock stitch and differential transport to **2**.

Sewing:

Raise the needle to the highest possible position and fix the crease foot on the rubber band.

Lift the foot and slide the fabric layer into the crease (front side up). Place the second layer of fabric (front side down) under the footer, with Plate 1 lying between the two layers. Lower the foot and stitch the two layers of fabric together.

Perform a trial stitch.

Note: The degree of creasing is set adjusting the differential transport.

- A foot for sewing the string:

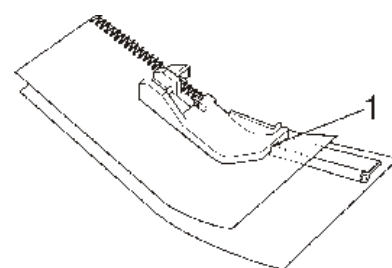
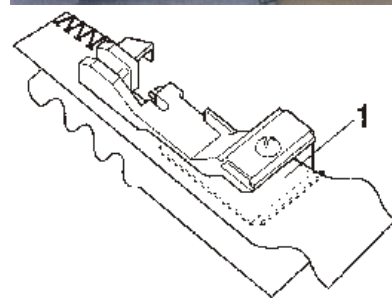
This foot allows you to stitch two batches of fabric with tape to the tabs between them, all with one operation. It is ideal for sewing loose garments, sports bags and various upholstery.

Machine setup:

Set the machine to a 4-thread overlock stitch and a seam width of 4.5 mm.

Sewing:

Raise the needle to the highest possible position and fix the foot. Place two pieces of fabric, one on top of the other (right side to right side) and insert the piping tape between the two pieces of fabric. Then slide the fabric under the bead, make sure that the piping (piping) runs through groove 1 in the bead. Make a test stitch.



- Bead and sequin sewing foot:

This foot is used for sewing beads, sequins, etc. and elastic bands, as well as various types of string.

Machine setup:

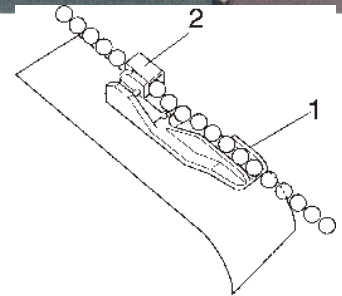
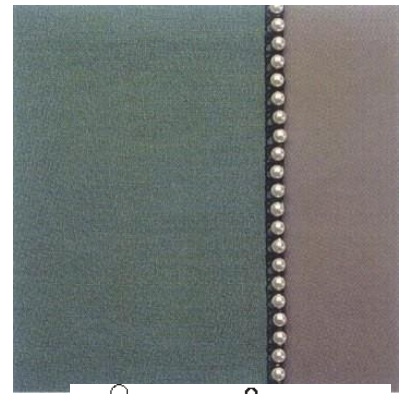
Set the machine to 3-thread overlock stitch (narrow) and select stitch length 3.

Sewing:

Raise the needle to the highest position and attach the bead sewing foot. Slide the bead string into **guide 1** and under **guide 2** about 5 cm behind the foot. Attach the beads with a few stitches, then lay the fabric under the foot with the right side up and sew the beads to the selvedge.

Note: For sewing metal beads, it is recommended to thread two guides with mercerized thread and correcting the tension as necessary. The stitch length is between **F** and **2**.

If you want to sew the beads into the fabric, as in the illustration on left, the tension of the needle thread must be loose. (About 5). Lay the fabric left side to left and guide the bend beyond the top knife while sewing. Unfold the fabric the beads are now on top. Make a test stitch.



- Lace and tape foot:

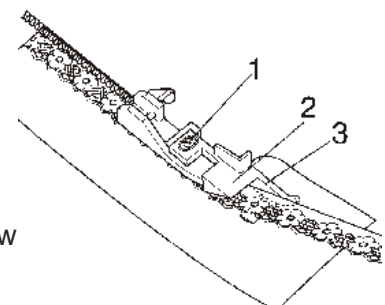
The strap foot allows you to stitch lace and wide straps together or sew them onto another fabric.

Machine setup:

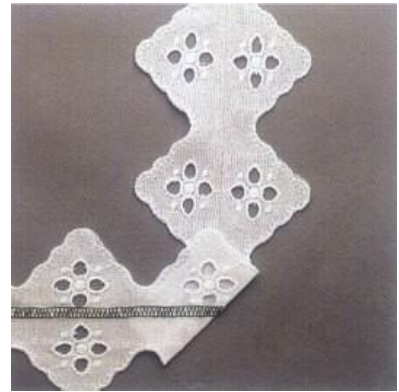
Set the machine to 3-thread overlock stitch (narrow) and choose a stitch length between **F** and **2**.

Sewing:

Raise the needle to the highest position and attach the ribbon foot. Use a large screwdriver from the accessory bin to loosen **screw 1** and adjust **guide 2** so that the needle pierces the lace as close to the edge as possible. Tighten **screw 1**. Place the lace on the fabric, right side to right side, at a distance of 1.5 to 2.0 cm (depending on the seam allowance) from the selvedge and sew



When you sew two pieces of lace together, the two halves must be guided exactly along the hem guide **3**.

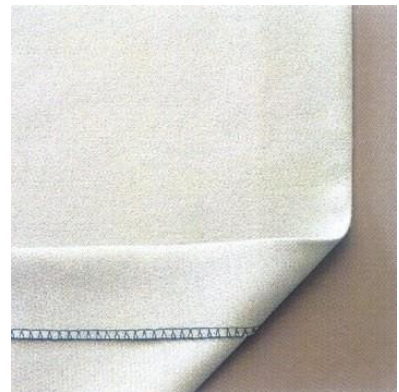


- Covered stitch foot

The covered stitch foot is ideal for professional sewing of invisible seams on medium-thick and thick materials. The seam is finished, embroidered and "hidden" in one go.

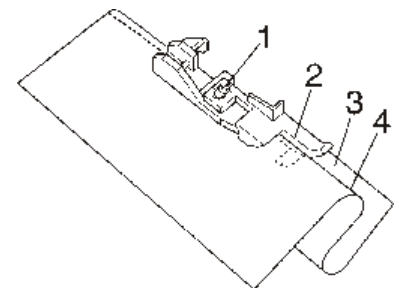
Setting up the machine

Disconnect the left needle. Set your machine to 3-thread overlock stitch (narrow) AND select stitch length 4.



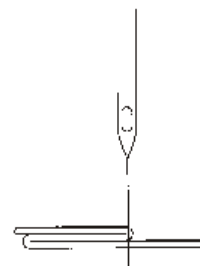
Sewing

Raise the needle to highest possible position and attach the covered stitch foot. Bend the seam inward. Now bend the seam back so that the edge protrudes about 1 cm. Position the seam under the foot so that the folded **part of the seam 3** lies under the hemming guide **2**. **The bend 4** must run along the edge of **the guide 2**.



Loosen **screw 1** and install **edge guide 2** so that the front of the material is caught by the needle when the needle is driven in.

First, make a trial stitch.



14. SEWING PROBLEMS AND THEIR EXAMPLES SOLUTIONS

Overlocks are designed to make sewing easier. No complicated setting changes should be applied by the user. The problems described below may occur to additional settings and errors in operating the machine. These can be quickly corrected according to the instructions below.

Problem	Cause	Solution
Needle breakage	<ul style="list-style-type: none"> - Bending of the needle or damage to its tip - Needle incorrectly or incompletely inserted - Tugging the fabric too hard 	<ul style="list-style-type: none"> - Attach a new needle - Attach the needle correctly - Don't tug at the fabric while sewing
Thread breakage	<ul style="list-style-type: none"> - Badly strung thread - The thread is stuck - Thread tension is too high - The needle has not been fully inserted - Wrong use of the needle 	<ul style="list-style-type: none"> - Thread the thread correctly - Check that the thread does not wedge in the stand or elsewhere - Adjust thread tension - Fix the needle correctly - Use the needle recommended for this overlock model
Skipped stitches	<ul style="list-style-type: none"> - Bending of the needle or damage to its tip - The needle was not fully inserted - Wrong use of the needle - The thread was improperly strung 	<ul style="list-style-type: none"> - Attach a new needle - Attach the needle correctly - Use the needle recommended for this overlock model - Thread the thread correctly
Incorrect stitch	<ul style="list-style-type: none"> - Wrong setting or wrong thread tension adjustment 	<ul style="list-style-type: none"> - Reset thread tension
3- or 4-thread overlock stitches have an irregular shape and the thread of the top picker does not weave into a stitch	<ul style="list-style-type: none"> - The converter is attached 	<ul style="list-style-type: none"> - Disconnect the converter
The machine does not function, although it is turned on	<ul style="list-style-type: none"> - Voltage is cut off due to a gripper cover that is not attached or incorrectly attached 	<ul style="list-style-type: none"> - Close the gripper cover
The material was not finished nicely	<ul style="list-style-type: none"> - Material shearing between the upper and lower knives - The bottom knife is blunted 	<ul style="list-style-type: none"> - Clean the knives - Change the bottom knife
Pulled stitches	<ul style="list-style-type: none"> - Needle tension is too high - Incorrect setting of differential transport - Thread jammed due to bad threading 	<ul style="list-style-type: none"> - Reduce thread tension - Set differential transport - Thread the thread correctly
Unevenly sliding material	<ul style="list-style-type: none"> - The stitch is too short - Foot pressure is too small for thick fabrics - Foot pressure is too low for delicate fabrics 	<ul style="list-style-type: none"> - Increase stitch length - Increase the foot pressure - Reduce foot pressure

15. TECHNICAL DATA

MODEL:	Overlock 1200D-4
Maximum sewing speed:	1200 stitches per minute
Stitch width adjustment:	3 - 6.7 mm
Stitch length adjustment:	F(1) - 4 mm
Putting the footer on:	clip-on
Foot lift height:	4.5 mm
Edge impact:	1.5 mm
Needle size:	80/11, 90/14
Number of threads:	2, 3, 4
Dimensions:	42.0 x 34.5 x 32.5 cm
Net weight:	7.5 kg
Power consumption:	90 W



INFO

On handling **waste** electrical and **electronic** equipment

In connection with the information obligations arising from the introduction of the Law on Waste Electrical and Electronic Equipment, we inform you that:

1. Waste electrical and electronic equipment must not be placed with other waste. Such equipment should be collected selectively as reminded by the attached marking (crossed-out, circular waste container).
2. Failure to comply with this rule may, with improper disposal of used equipment, pose a threat to the environment and human health due to the presence of hazardous components in the equipment (such as electrical wiring, plastics, batteries, switches, boards, etc.). To avoid such risks, such components should be collected and properly processed by specialized companies.
3. This manual contains information about all the basic parameters of the appliance. Payments that your household plays an important role in contributing to the reuse and recovery, including recycling of used equipment. This is done in particular through participation in the collection system for used equipment.

We would like to inform you that you can return your used equipment free of charge to the store where it was purchased. Disassembling used equipment yourself is not allowed. From the store, the used equipment will then go to a specialized company for processing, recovery (including recycling) and disposal of hazardous components.

WE WISH YOU SATISFACTION FROM THE USE OF THIS PRODUCT.

Importer:
Aspa ELECTRO Ltd.
51-162 **Wrocław**, 1 **Maciej Miechowity Street**

MAIN STORAGE:
81 Bierutowska St.
building A 51-317
Wrocław

The importer declares that the product has been manufactured in accordance with the Low Voltage Directive LVD 2014/35/EU, the Electromagnetic Compatibility Directive EMC 2014/30/EU and the Directive on the Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment RoHS2 2011/65/EU.

SEWING MACHINES



IMPORTER: Aspa ELECTRO Ltd.
Miechowity 1 Street, 51-162
CENTRAL SERVICE: Aspa ELECTRO Ltd.
Lubelska Street 89/95, 26-600
phone 048 384 00 31, fax 048 384

CARD

GUARANTEE

HOME SEWING MACHINES

Model:

Factory no:

Production date:
.....

.....
Signature and stamp of the seller

I have read and agree to the terms of this warranty

.....
Customer signature

NOTE: Any alteration, rubbing or fuzzing
will void the warranty.

E COUPON *Lucznik*

MODEL:

FABR NO.

Date of sale

Signature and stamp of the
seller

D VOUCHER *Lucznik*

MODEL:

FABR NO.

Date of sale

Signature and stamp of the
seller

C VOUCHER *Lucznik*

MODEL:

FABR NO.

Date of sale

Signature and stamp of the
seller

B VOUCHER *Lucznik*

MODEL:

FABR NO.

Date of sale

Signature and stamp of the
seller

A COUPON *Lucznik*

MODEL:

FABR NO.

Date of sale

Signature and stamp of the
seller

This section is attached to bill no.

.....

Listed
part/team

Signature and stamp of the service center Date of repair

This section is attached to bill no.

.....

Listed
part/team

Signature and stamp of the service center Date of repair

This section is attached to bill no.

.....

Listed
part/team

Signature and stamp of the service center Date of repair

This section is attached to bill no.

.....

Listed
part/team

Signature and stamp of the service center Date of repair

This section is attached to bill no.

.....

Listed
part/team

Signature and stamp of the service center Date of repair

Description of application							
Repair description							
Date of repair							
Signature and stamp							

WARRANTY CARD
SEWING MACHINES/OVERLOCK

Dear customer, as the importer of the goods, we assure you of the smooth operation of the purchased device, provided that you use it in accordance with the accompanying instruction manual. The device comes with a 24-month warranty from the date of purchase.

- (1) The warranty of the Sold Goods does not exclude, limit or suspend the remedies available to the Buyer by law from the side and at the expense of the Seller.
 - (2) The device is intended only for use in individual household conditions.
 - (3) Any defects in the equipment resulting from defects in materials or faulty workmanship found during the warranty period shall be repaired within a reasonable time, no later than 21 working days from the moment the Guarantor is informed by the Buyer of the defect.
 - (4) The removal of the defect of the device shall be carried out by repairing or replacing it, whereby the Guarantor may carry out the replacement when the Buyer demands repair, the Guarantor may also carry out the repair when the Buyer demands replacement, if the removal of the defect in the manner chosen by the Buyer is impossible or would require excessive costs on the part of the Guarantor. If it is impossible to replace the device with a new one, the Buyer is entitled to a refund of the amount paid.
 - (5) If the device is replaced with a new one, the Buyer may be required to pay for the diminution in value of the device that does not result from the ordinary use of the device.
 - (6) The warranty service is provided after the Buyer makes the complete device available together with the proof of purchase (receipt, invoice, etc.) and the Warranty Card. The device must be made available - if possible - in the original packaging or other packaging, adequately protecting the device from damage or decomposition.
7. acceptance of the device by or on behalf of the Guarantor is possible:
- At the Service Point,
 - At the Point of Sale - notification to the Guarantor Service is made by the Retailer on behalf of the Buyer (authorized),
 - directly from the Buyer through the courier service provider indicated by the Guarantor at the expense of the Guarantor - this is done after prior notification by phone number /+48/ 48 384 00 13 or via e-mail : addressserwis-lucznik@aspa.pl and obtaining the service request number.
- The Buyer is obliged to make the device available for collection by the Guarantor's Service through a courier service provider indicated by the Guarantor. Otherwise, the cost of delivering the device and the risk of damage in transit shall be borne by the Buyer.
- (8) Warranty repair does not include the activities provided for in the instruction manual, which the Buyer is obliged to perform on his own and at his own expense.
 - (9) The warranty does not cover mechanical damage and defects and damage to the device caused by:
 - a) transportation and handling,

- b) misuse, carelessness of the Buyer or use of the device contrary to the instructions for use or safety regulations,
 - c) fire, flood, lightning or other natural disasters, abnormal supply voltage, normal wear and tear in service or other external factors causing, for example, corrosion or indelible dirt or stains,
 - d) violation of warranty seals or any other interference by persons other than the Guarantor Service (including the Buyer).
- (10) The warranty also does not cover devices in which the Warranty Card has been altered, blurred, removed or obliterated in any way.
11. The warranty does not apply if the Warranty Card does not have the date of sale and the stamp of the Point of Sale.
12. The warranty is valid only to the extent specified therein on the territory of the Republic of Poland and applies only to Łucznik brand equipment marketed by ASPA Electro Sp. z o.o. on the territory of Poland.
13. Subject to the exceptions set forth above, the relevant provisions of the Civil Code and the Consumer Rights Act shall apply to the provisions of this Warranty Card.