# b57

**The compact sewing machine with 3.5“ touchscreen**




# User Manual

bernette
SWISS DESIGN

**For all my ideas**

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Please be aware of the following basic safety instructions when using your machine. Before using this machine, read the instruction manual carefully.

# DANGER

To protect against electric shock, the following instructions must be observed:

- Never leave the machine unattended when it is connected to the power supply.
  Immediately after use and before cleaning, switch off the machine and disconnect the power cable from the outlet.

In order to protect against injury, the following instructions must be adhered to:

- Do not look directly into the LED lamp with optical instruments (e.g. magnifying glass).
  If the LED lamp is damaged or defective, have the LED lamp checked or repaired at your local bernette dealer.
- Switch off the machine before working in the needle area.
- Before starting the machine, close all covers.

# WARNING

To reduce the risk of burns, fire, electric shock or personal injury, the following instructions must be observed.

### General Facts

- This machine may only be used for the purpose described in this instruction manual.

### Working Environment

- Do not use the machine outdoors.
- Only use the machine in dry rooms.
- Do not use the machine in a humid area.
- Do not use the machine in rooms where aerosol products (sprays) are being used.
- Do not use the machine in rooms where oxygen is dispensed.

### Technical Condition

- Never use the machine when it is damp.
- Do not use the machine if it is not working properly.
- Do not use the machine if a cable or the plug is damaged.
- Do not use the machine if it has been dropped, damaged or has fallen into water.
- If the machine is damaged or does not work properly, have the machine checked or repaired by your local dealerbernette.
- Keep all ventilation openings of the machine and the foot control free of lint, dust and loose cloth.
- Do not use the machine if the ventilation openings are blocked.

### Accessories and Supplies

- Only use accessories recommended by the manufacturer.
- Always use an original bernette Stitch Plate.
  An incorrect stitch plate can result in needle breakage.
- Always use plastic bobbins of class 15.
  If other bobbins are used, proper functioning of the machine cannot be guaranteed.

- Use only straight needles of good quality. Bent or damaged needles can cause needle breakage.
- The machine is double-insulated. Only use original spare parts. See instructions for servicing of double-insulated products.
- To lubricate the machine, only use oil recommended by bernette.

**Appropriate Use**

- The machine can be used by children aged 8 years and over or by persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they are supervised or have been given instructions on how to use the machine safely and understand the hazards involved. Children are not allowed to play with the machine. Cleaning and maintenance work may only be carried out by children under supervision.
- Only use the machine with the supplied power cable.
  USA and Canada only: Do not connect power plug NEMA 1-15 to circuits exceeding 150 volt-to-ground.
  If the machine is to be used in a country other than the country of origin, obtain a power cable suitable for this country from a bernette specialist retailer.
- Only use this machine with the supplied foot control of type C-8001.
- Do not insert any objects into the openings of the machine.
- Do not place any objects on the foot control.
- While sewing, guide the fabric gently. Pulling and pushing the fabric can cause needle breakage.
- Keep fingers away from all moving parts. Special care is required in the needle area.
- Only lift the machine by the handle.
- For activities in the needle area – such as threading the needle, changing the needle, threading the looper or changing the presser foot – switch off the machine. To switch off, set the power switch to «0».
- When protective covers are removed, when the machine is oiled or when other cleaning and maintenance operations mentioned in this instruction manual are carried out, switch off the machine and disconnect the power plug from the outlet.
- Pull the plug out of the outlet by pulling on the plug. Do not pull on the cable.

# SAVE THESE INSTRUCTIONS

## Availability of the Instruction Manual

The short manual is part of the machine.

The latest version of the detailed instruction manual for the bernette 57 is available at bernette.com/support.

Keep the short manual of the machine in a suitable place near the machine and have it ready for reference.

When passing on the machine to a third party, enclose the short manual of the machine.

## Proper Use

Your bernette machine is conceived and designed for private household use. It is intended for sewing fabrics and other materials as described in this instruction manual. Any other use is not considered proper. BERNINA assumes no liability for consequences resulting from improper use.

## Equipment and Scope of Delivery

Example images are used in these instructions for the purposes of illustration. The machines and the accessories shown in the images therefore do not always match the actual items included with your machine. The supplied accessory can vary depending on the country of delivery. Accessories mentioned or shown, which are not included in the scope of delivery, can be purchased as optional accessories from a bernette dealer. Further accessories can be found at bernette.com/b57/.

For technical reasons and in order to improve the product, changes may be made to the equipment of the machine and the scope of delivery at any time and without prior notice.

## Servicing of Double-insulated Products

In a double-insulated product two systems of insulation are provided instead of grounding. No grounding means is provided on a double-insulated product nor should a means for grounded be added to the product. Servicing a double-insulated product requires extreme care and knowledge of the system and should only be done by qualified service personnel. Replacement parts for a double-insulated product must be identical to the original parts in the product. A double-insulated product is marked with the words: *Double-Insulation* or *double-insulated*.

☐ The symbol may also be marked on the product.

## Environmental Protection

BERNINA International AG is committed to environmental protection. We strive to minimize the environmental impact of our products by continuously improving product design and our manufacturing technology.

The machine is labeled with the symbol of the crossed-out wastebin. This means that the machine should not be disposed of in household waste when it is no longer needed. Improper disposal can result in dangerous substances getting into the groundwater and thus into our food chain, damaging our health.

The machine must be returned free of charge to a nearby collection point for electrical waste and electronic equipment or to a collection point for the reuse of the machine. Information on collection points can be obtained from your local administration. When purchasing a new machine, the dealer is obliged to take back the old machine free of charge and dispose of it properly.

If the machine contains personal data, you are responsible for deleting the data yourself before returning the machine.

## Explanation of Symbols

**⚠ DANGER**

Designates a danger with a high risk which can lead to serious injuries or even death unless it is avoided.

**⚠ WARNING**

Designates a medium-risk hazard which can lead to serious injuries if not avoided.

**⚠ CAUTION**

Designates a low-risk hazard which can lead to minor or moderate injuries if not avoided.

***NOTICE***

Designates a hazard which can lead to material damage if not avoided.

# 1 Introduction



## 1.1 Machine

### Front



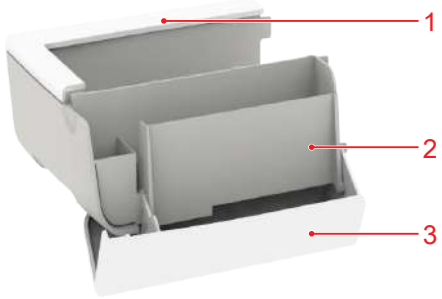

**1** Feed Dog Up/Down **2** Needle Area **3** Lighting **4** Thread Cutter **5** Thread Take-up Lever **6** Connection for Slide-on Table **7** Sewing Table/Accessory Box Connection

### Needle Area




**1** Bobbin Cover **2** Stitch Plate **3** Feed Dog **4** Presser Foot **5** Needle **6** Buttonhole Lever **7** Needle Holder **8** Needle Threader **9** Stitch Plate Release Button

### Sewing table and accessory box

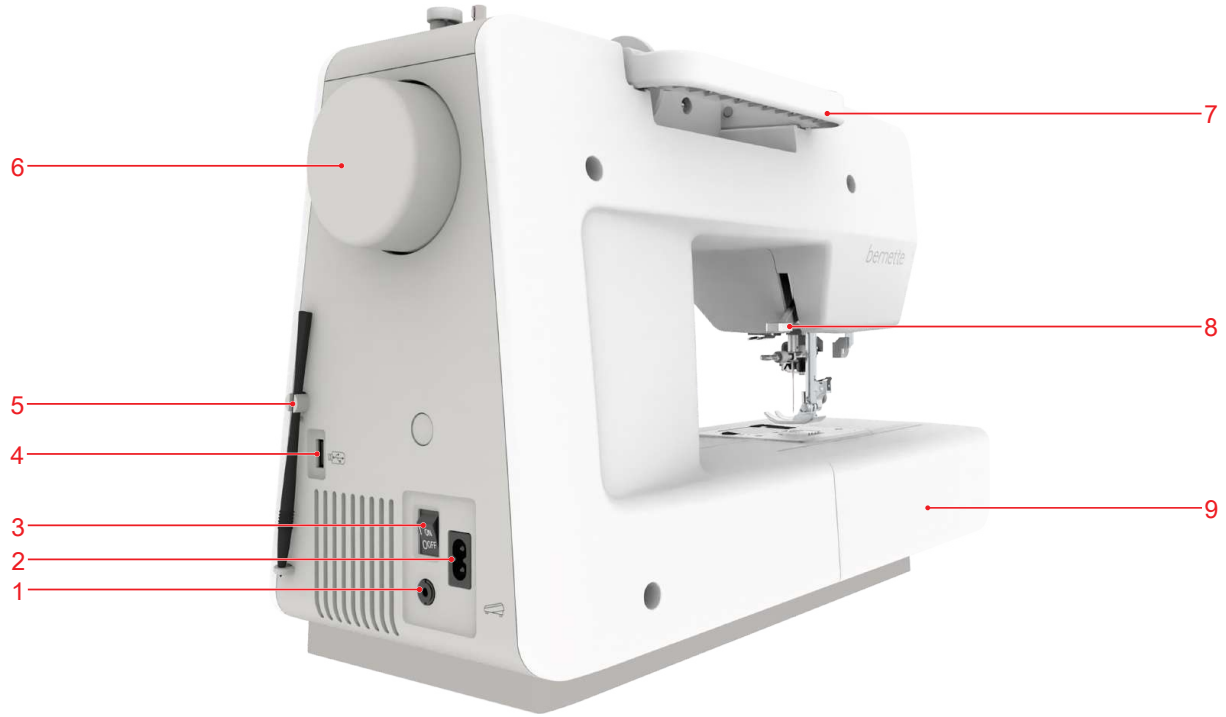



**1** Sewing Table **2** Accessories Box **3** Accessories Box Cover

# 1 Introduction

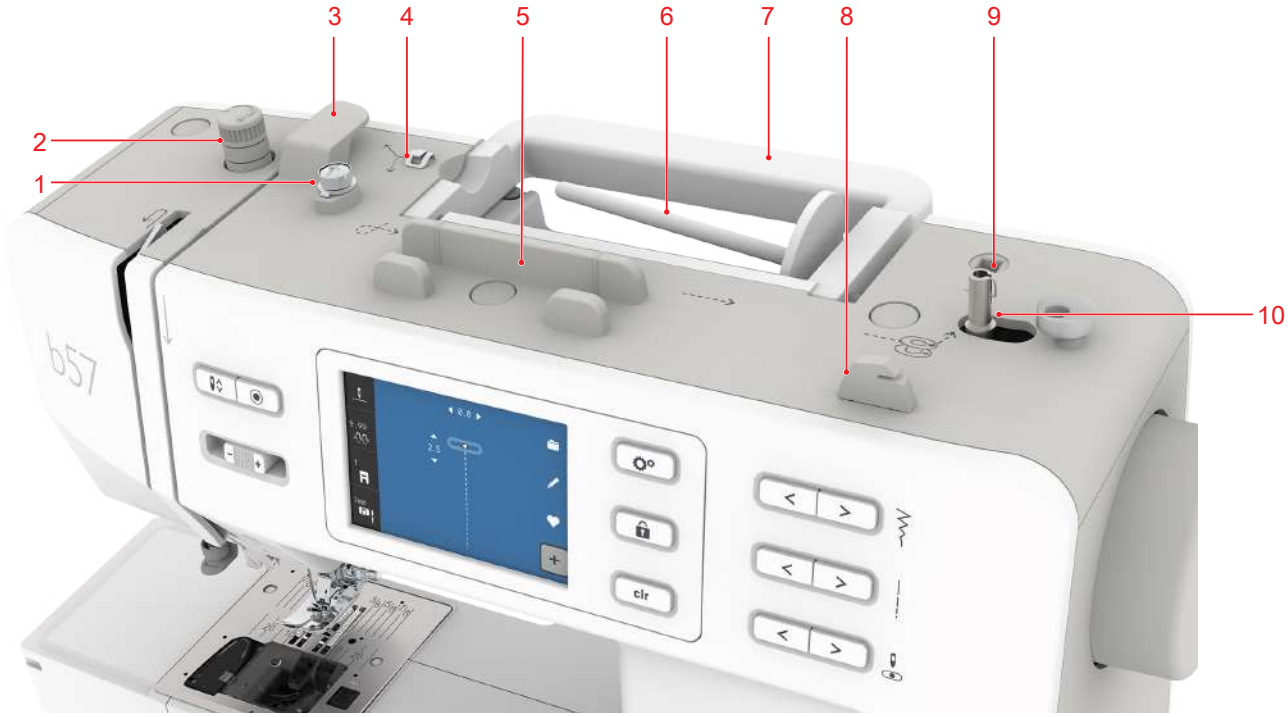


## Back




**1** Connection for Foot Control **2** Power Cable Connection **3** Main Switch **4** USB Port, Type A **5** Holder for Touchscreen Pen **6** Handwheel **7** Carrying Handle **8** Presser Foot Lifter Lever **9** Sewing Table/Accessory Box Connection

## Top View




**1** Thread Guide, Bobbin Winder **2** Presser Foot Pressure Dial **3** Thread Guide, at the back **4** Thread Guide Eyelet **5** Smart Device Holder **6** Spool Pin, horizontal **7** Carrying Handle **8** Thread Cutter **9** Attachment for vertical Spool Pin **10** Bobbin Winding Unit

# 1 Introduction

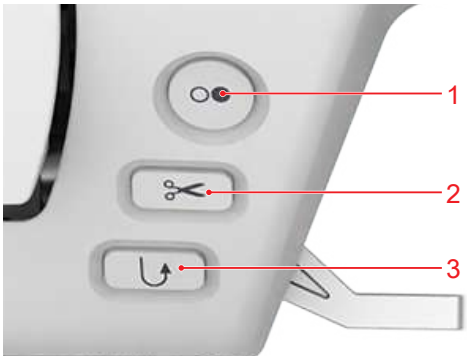


## Controls




**1** Function Buttons above the Needle **2** Needle Threader Lever **3** Left Controls **4** Display **5** Right Controls

### Function Buttons above the Needle




**1** Start/Stop **2** Thread Cutter **3** Quick Reverse

#### Start/Stop

With the **Start/Stop** ○● button, you can start or stop the machine.

#### Thread Cutter

Use the button **Thread Cutter** ✂ to automatically cut the upper and lower threads after stopping the machine.

**TIP**

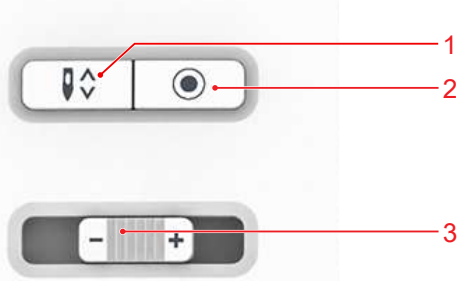
In the Sewing Settings **External Buttons** , you can assign additional functions to the button.

#### Quick Reverse

Use the button **Quick Reverse** ⤴ to sew stitch patterns 1 and 2 in reverse as long as you hold down the button.

For all other stitch patterns, when the button **Quick Reverse** ⤴ is pressed, the function **Tie-Off** ◉ is performed.

### Left Controls




**1** Needle Position Up/Down **2** Securing/Pattern End **3** Speed Control

#### Needle Position Up/Down

With the **Needle Position Up/Down** button, you can raise and lower the needle.

### Tie-Off

With the **Tie-Off** button, you can sew the programmed number of securing stitches.

If you press the button before sewing, securing stitches will be sewn at the beginning of the seam.

If you press the button while sewing, securing stitches will be sewn immediately and the machine stops.

**TIP**

In the Sewing Settings **External Buttons** , you can assign additional functions to the button.

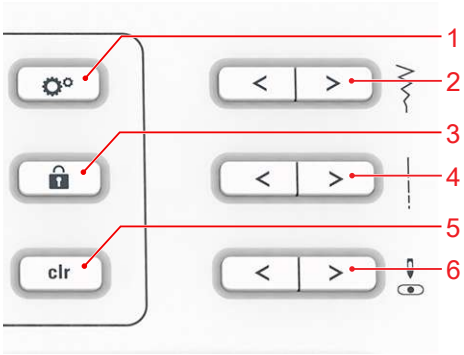
### Speed Control

You can regulate the sewing speed via the speed control.

**TIP**

For a better monitoring while sewing, you can adjust the maximum sewing speed in the sewing settings **Max. Sewing Speed** .

## Right Controls




**1** Settings **2** Stitch Width **3** Lock **4** Stitch Length
**5** Reset **6** Needle Position Left/Right

### Settings

With the **Settings** button, you can call up the settings. [▸ see page 24]

### Stitch Width

By pressing the button **Stitch Width**, you can set the stitch width and the values of a function.

### Lock

With the **Lock** button, you can lock the screen, the sewing functions and the motor.

1. Press the button **Lock** to lock the machine.
2. To unlock the machine, press the button **Lock** again.

### Stitch Length

By pressing the button **Stitch Length**, you can set the stitch length and the values of a function.

### Clear

With the **Clear** CLR button, you can reset the following settings to the default values:

**Sewing Mode**

- Stitch Width of the Selected Stitch
- Stitch Length of the Selected Stitch
- Needle Position
- Mirroring
- Pattern Repeat
- Upper Thread Tension
- Presser Foot Pressure

### Needle Position Left/Right

You can use the **Needle Position Left/Right** buttons to move the needle to the left or to the right.

The needle position is shown on the sewing screen. Negative values indicate a movement to the left, positive values a move to the right.

## 1.2 Accessories

### Accessories Supplied

| | |
|---|---|
| Slide-on Table  | To extend the work surface. |
| Bobbins (4x)  | To wind the bobbin thread. |
| Felt Pad  | To keep the spool of thread securely in place on the spool pin. |
| Spool Net  | To regulate threads that unwind too quickly from the spool, e.g. nylon, rayon, silk or metallics. |
| Spool Pin Vertical  | For mounting an additional spool vertically on the machine. |
| Touchscreen Pen  | For precise operation of the touchscreen. |
| Brush and Seam Ripper  | Use the brush to clean the hook and the area around it.<br>To open seams and buttonholes with the seam ripper. |
| Needle Assortment  | For the most common sewing applications. |
| Right Seam Guide  | To align even seam distances. |
| Screwdriver  | |
| Power Cable  | To connect the machine with the power supply. |
| Foot control  | To start and stop the machine.<br>To control the sewing speed. |
| Spool Cap L  | To secure the spool.<br>To support the regular unwinding of the thread from the spool. |
| Spool Cap M  | To secure the spool.<br>To support the regular unwinding of the thread from the spool. |
| Spool Cap S  | To secure the spool.<br>To support the regular unwinding of the thread from the spool. |

| | |
|---|---|
| Spacer Clamps  | To secure the smart device in the holder on the sewing machine. |

## Included Presser Feet Soles

| | |
|---|---|
| Universal Presser Foot Holder  | To attach presser foot soles. |
| Blindstitch Foot  | For sewing blind-stitch hems. |
| Button Sew-On Foot  | To sew on buttons, hooks and eyelets/rings. |
| Buttonhole Foot with Slide  | To sew buttonholes. |
| Overlock Foot  | For sewing overlock-type stitches and for finishing the edge of the fabric. |
| Zipper Foot  | For sewing in zippers. |
| Embroidery Foot with Clear Sole  | For embroidering, darning and free hand quilting. |
| Zigzag Foot  | For sewing different practical and decorative stitches and for sewing hems. |

## 1.3 User Interface

### User Interface Operation

The software can be operated with the touch-sensitive screen using touch gestures or the included touch-screen pen.

#### Operation with Touch Gestures

| Gestures with One Finger | Application |
|---|---|
| Tap  | ■ Selecting Functions or Stitch Patterns |
| Drag  | ■ Scroll in menus, windows and bars |

#### Navigation

In mode **Sewing** and in the settings, the navigation path  to the current content is displayed, allowing you to go back to a specific level in the path.

#### Activating/Deactivating Functions

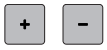
You can activate and deactivate functions by proceeding as follows:

- Tap the Switch 
  - Green: Function is activated.
  - Red: Function is deactivated.
- Tap Icons
  - Outlined in White: Function is activated.
  - Gray: Function is not available.
  - Outlined in Yellow: Function or the value differs from the default value.

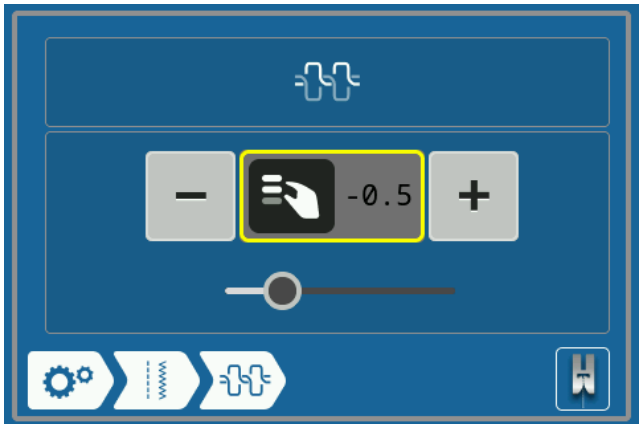
#### Setting Values

You can set values as follows:

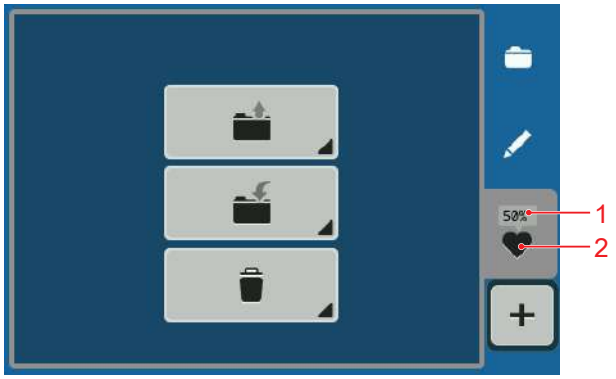
- Slider 

  Set the value with the slider control or reset the value to the default by tapping the small bullet.
- Plus and Minus Icons 

Modified values are marked in yellow. You can reset a modified value to the default value by tapping the field outlined in yellow.




### File Management




**1** Storage Space **2** Personal Folder

In the folder **Personal Folder** ♥ you can administer your own stitch patterns. You can save, load or delete your own stitch patterns. You can administer the stitch patterns in predefined folders.

#### Storage Space

The display **Storage Space** shows how much free memory capacity is available.

# 2 Setting Up the Machine



## 2.1 Working Area

A stable table with a secure stand is a good prerequisite for optimal sewing results. Ergonomics at the sewing table are important for protecting the muscles and joints in your back, shoulders, arms, and hands. Optimal ergonomics involves adjusting the table height and posture to complement each other. Avoid remaining in the same position for long periods.

**Ergonomic Sitting Position**

Seat yourself in a position where your fingertips touch the needle plate with your arms bent at a 90° angle.

The machine can also be operated when standing.

## 2.2 Connecting the Machine and Switching it On

1. Insert the cable into the machine. Make sure that the plug is fully inserted into the machine.




2. Insert the power plug of the power cable into the socket.
3. Switch on the machine using the power switch.

## 2.3 Preparing the Machine for Sewing

Before starting your sewing project, you must prepare and set up the machine accordingly.

Prerequisite:

- The machine is switched on.
- The sewing settings have been made. [▶ see page 25]
- The foot control is connected. [▶ see page 13]

1. Attach the slide-on table if required. [▶ see page 14]
2. Insert the appropriate stitch plate. [▶ see page 15]
3. Insert an appropriate sewing needle. [▶ see page 16]
4. Fit a suitable presser foot. [▶ see page 22]
5. Prepare and edit the stitch pattern. [▶ see page 35]
6. Thread a suitable bobbin thread. [▶ see page 21]
7. Thread the appropriate upper thread. [▶ see page 17]

## 2.4 Foot control

You can operate the foot control at the front with the ball of your foot. By pressing with the ball of your foot, you can start and stop the machine and control the speed with the amount of force applied to the control.

### Connecting the Foot Control

1. Insert the plug of the cable into the foot control socket of the machine.




2. Place the Foot Control on the floor in a comfortable position for sewing.

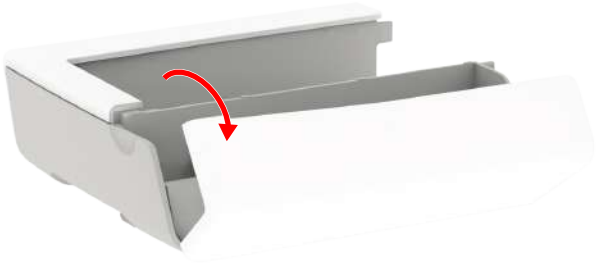
## 2.5 Sewing Table

The sewing table serves as an extension of the sewing area around the freearm. Quickly attach or remove the extension table to change the sewing area.




**1** Accessory Compartment Lid

**Accessory Compartment in the Sewing Table**
The accessories frequently needed for sewing can be stored in the accessory compartment of the sewing table.



## Removing the Sewing Table

► To remove the sewing table, hold the sewing table by the handle on the left and pull it away.

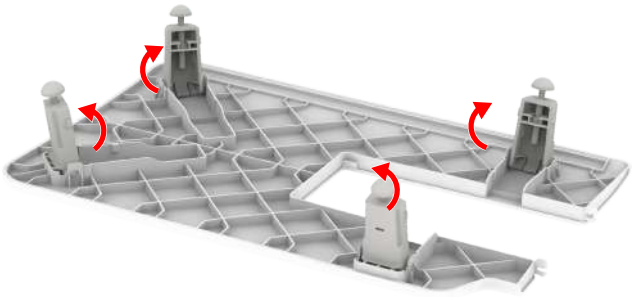
## 2.6 Slide-on table



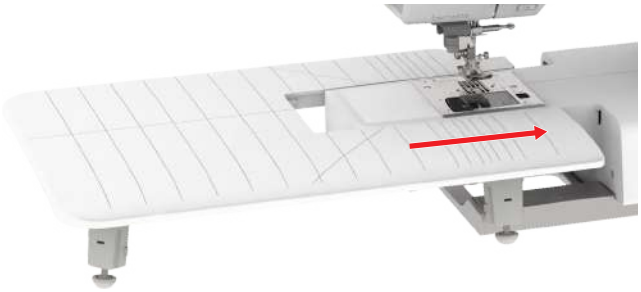

**1** Lineal in Inch **2** Stellfuss mit Stellschraube

## Attaching the Slide-on Table

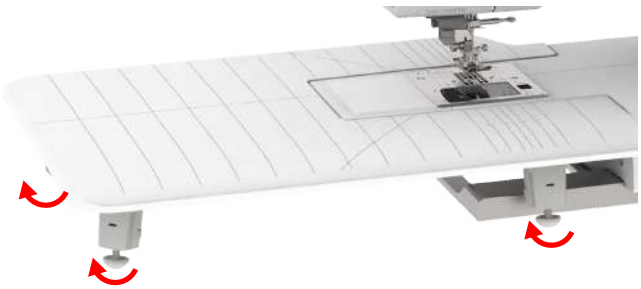
1. Raise the needle.
2. Raise the presser foot.
3. Release the adjustable legs on the slide-on table. Make sure that the adjusting screws are not turned out too far.



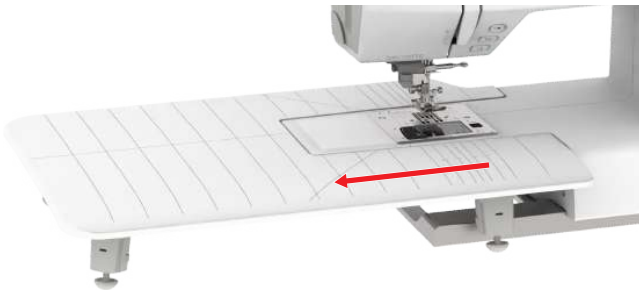
4. Slide the table over the freearm under the needle and foot to the right until it engages on the right side.



5. Fully extend the legs of the table.
6. Adjust the height by turning the screw at the feet. Ensure the table is flat and supported on the surface below without raising it above the freearm.



7. To remove the slide-on table, pull the slide-on table away to the left beneath the presser foot and the needle.



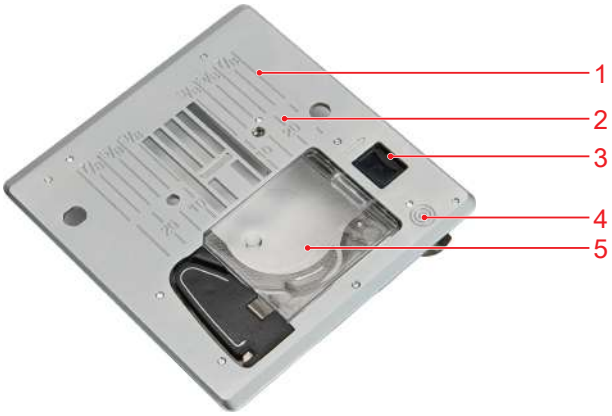
8. Lock the legs into place for storage.

## 2.7 Stitch Plate

The supplied stitch plate is suitable for most sewing work.

Vertical lines, which you can use as a ruler for guiding the fabric in a straight line, are engraved on the stitch plate.

Thanks to the transparent bobbin cover on the stitch plate, you have direct access to the bobbin. This allows you to quickly change the bobbin and check the lower thread level.




**1** Ruler in inches **2** Ruler in cm **3** Handle on the Bobbin cover **4** Pressure Point to engage **5** Bobbin Cover

### Changing the Stitch Plate

Prerequisite:

- The needle is raised.
- The presser foot is raised.

1. Lock the screen.
2. Remove the needle and the presser foot.
3. Press the release button until the stitch plate tilts back.



4. Remove the stitch plate.
5. Align the guides of the new stitch plate with the corresponding openings and slide the stitch plate backwards until it stops.



6. Press the stitch plate down at the pressure point until it clicks into place.



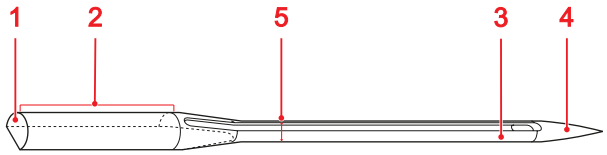
7. Fit the needle and presser foot.
8. Unlock the screen.

## 2.8 Needle

Only use needles from the 130/705 system for your machine. Select a needle thickness that is suitable for the selected fabric: Fine needles for fine fabrics, thick needles for heavy fabrics.

- Needle sizes 70, 75: light weight fabrics
- Needle sizes 80, 90: medium fabrics
- Needle sizes 100, 110 and 120: heavy weight fabrics

There are different needle types for different sewing projects. You can identify the needle type and needle size by the needle name, e.g. **130/705 H-S/70**:



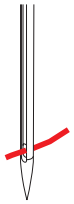

**1 705** = shank **2 130** = shank length **3 H** = groove
**4 S** = Point Type **5 70** = Needle Size

Detailed information on needles and their applications can be found in the BERNINA Needle Brochure.

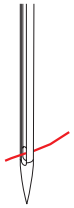
**TIP**

Needles become worn over time. Change the needle regularly, because only a needle in perfect condition will produce a neat stitch.

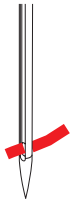
### Needle/Thread Combination



The needle/thread combination is correct if the thread is guided exactly into the long groove and through the eye of the needle.



If the thread is too thin for the needle, it will have too much room to move in the long groove and in the eye of the needle. This can result in the thread breaking or skipping stitches.



If the thread is too thick for the needle, it will be difficult to guide it through the eye of the needle and it may rub along the edge of the long groove. This can result in the thread breaking and sticking in the needle.

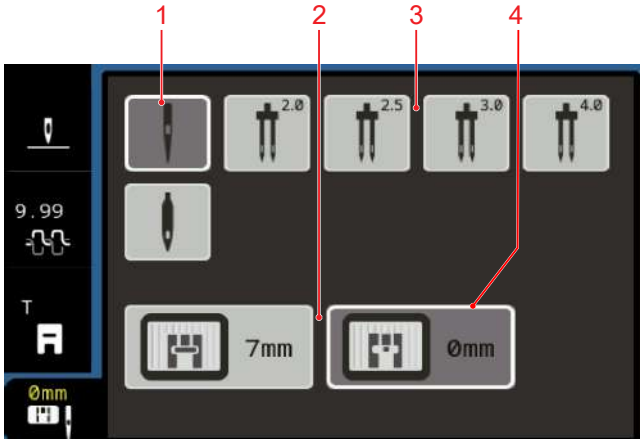
### Changing the Needle

1. Lower the presser foot.
2. Raise the needle.
3. Lock the screen.
4. Loosen the screw on the needle holder and pull the needle straight down.
5. Insert and push the new needle with the flat side to the back as far as it will go into the needle holder and tighten the screw on the needle holder.
6. Unlock the screen.

► In the status bar, tap **Stitch Plate and Sewing Needle** and select the fitted needle in the **Needle Overview** section. [▸ see page 16]

### Stitch Plate and Sewing Needle

Sewing ► Stitch Plate and Sewing Needle




**1** Selected Needle **2** Stitch Plate Overview **3** Needle Overview **4** Detected Stitch Plate

The attached stitch plate is automatically recognized by the machine and shown in the status bar.

The stitch plates and needles compatible with the machine are displayed in the **Stitch Plate Overview** and **Needle Overview** sections.

In order for the machine to check the compatibility of the stitch, the needle and the stitch plate, you must select the inserted needle in the **Needle Overview** section. The selected needle is highlighted in the area **Needle Overview** and displayed in the status bar. The detected stitch plate is highlighted in the area **Stitch Plate Overview**.

If the selected needle cannot be used with the stitch plate or the presser foot, an error message is displayed.

### Needle Position

You can adjust the needle position as follows:

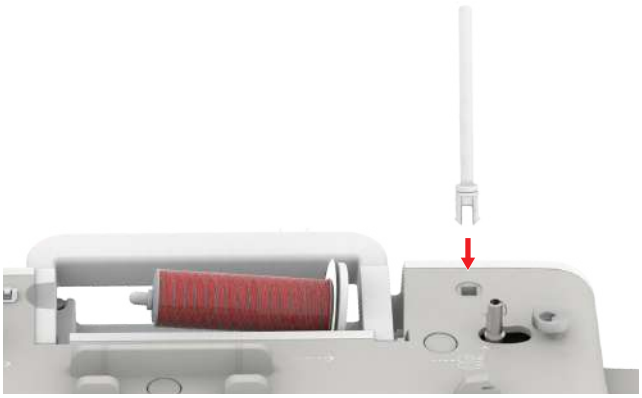
- Button **Needle Position Up/Down** : Raising or lowering the needle.
- Buttons **Needle Position Left/Right** : To move the needle 5 positions to the left or to the right of the center.
- Icon **Needle Stop** : To determine the needle position up or down when the machine is stopped in sewing mode.

## 2.9 Vertical Spool Pin

You can use the vertical spool pin when sewing with large spools of thread, multiple threads, or when winding the bobbin.

### Fitting the Vertical Spool Pin

► Insert the vertical spool pin into the attachment for the vertical spool holder.



## 2.10 Upper Thread

The quality, thickness and material of the thread must be suitable for the selected fabric. To achieve the best results, bernette recommends purchasing high-quality thread.

- Cotton threads are particularly suitable for sewing decorative projects on cotton fabric, such as quilts. As cotton threads are not particularly tear-resistant, they can also be used for basted seams that are later undone. They should not, however, be used for seams that need to be particularly hard-wearing.
- Mercerized cotton threads have a slight sheen that remains even after washing.
- Polyester threads have a high tensile strength and are particularly colorfast. Polyester threads are more flexible and are recommended where a strong and elastic seam is required.
- Rayon/viscose threads are characterized by their bright sheen. Rayon threads are suitable for decorative stitches and create a more beautiful effect.

### Threading the Single Needle

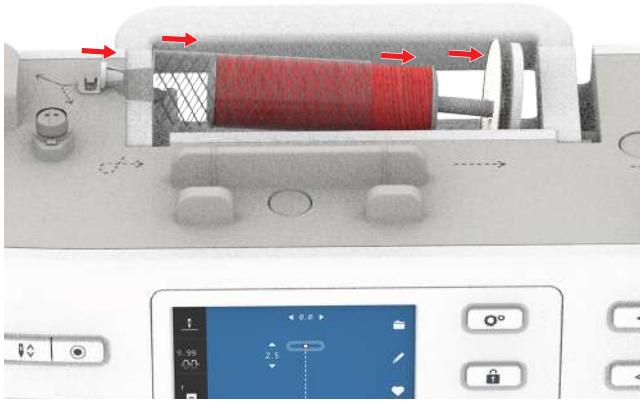
**Notifications on the Needle Threader**

- The needle threader only works for threading a single needle. Always thread twin needles and triple needles by hand.
- The needle threader can be used for needles from size 70 upwards. Thread thinner needles by hand.

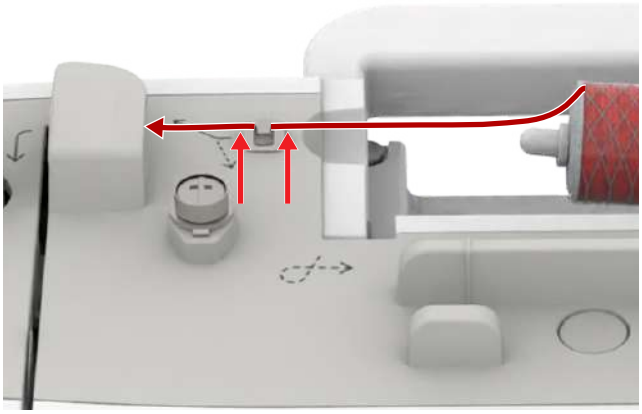
For a proper seam and to avoid “thread tangles”, you must thread the upper thread correctly.

The thread path for threading is marked on the machine with connected arrows.

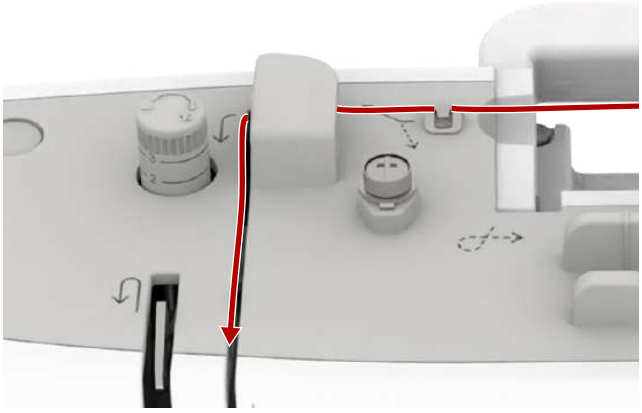
1. Raise the presser foot so that the thread tension discs are open, and the thread can slide easily between them.
2. Raise the needle so that the thread can be easily inserted into the thread take-up lever.
3. Lock the screen.
4. Place a felt pad on the horizontal spool pin.
5. Place the thread spool on the spool pin.
6. Select a spool cap with the same diameter as the spool and place it on the spool pin. The spool should not rotate. The thread should unwind evenly.
7. If the threads are slippery, pull a spool net over the spool.



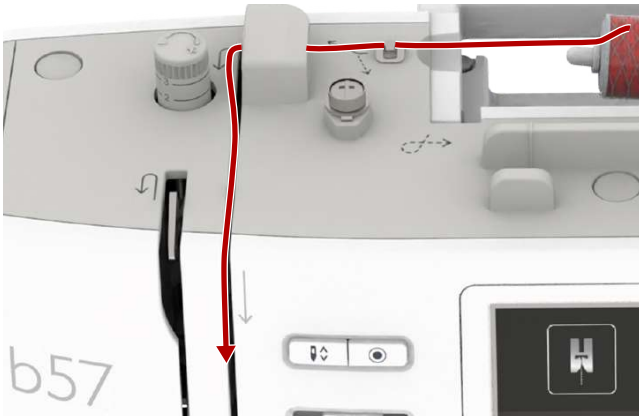
**8.** Hold the thread on the left and the right and pull it tightly under the thread guide eyelet from the front to the back.



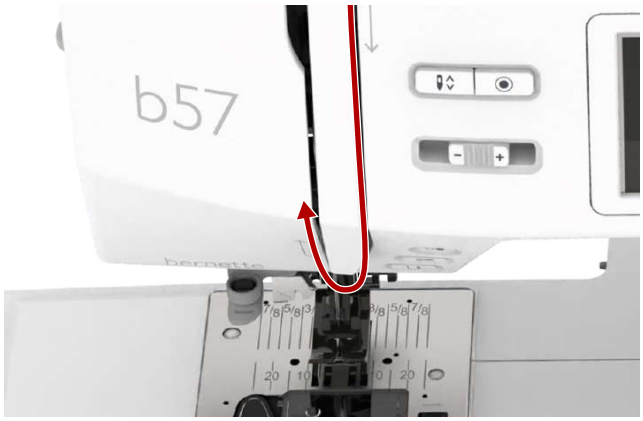
**9.** Pull the thread under the rear thread guide to the front of the machine.



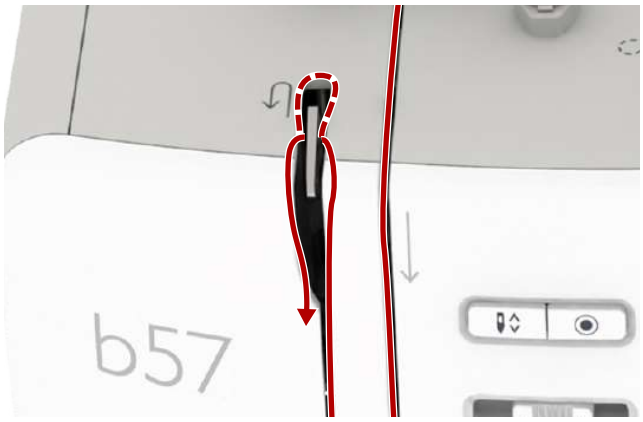
**10.** Guide the thread downwards past the right side of the thread tension disc.



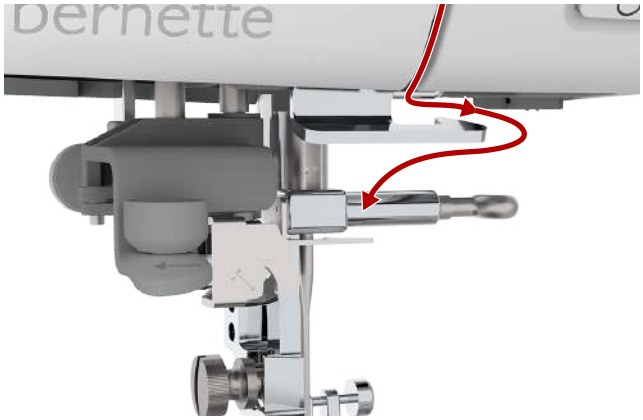

**11.** Guide the thread around the thread take-up lever cover at the bottom and pull it upwards.



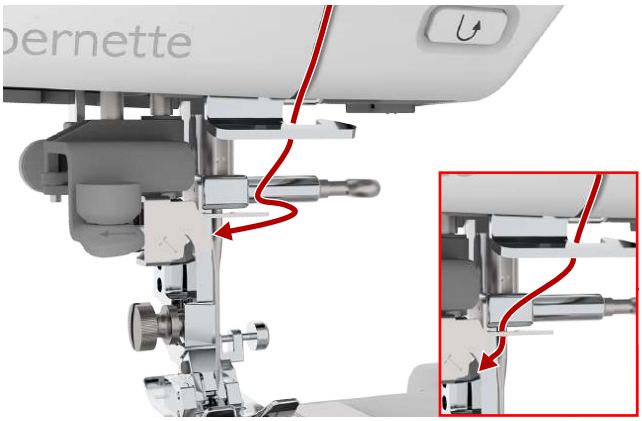

**12.** Pull the thread through the thread take-up lever and guide it downwards. Make sure that the thread is guided under the left side panel.



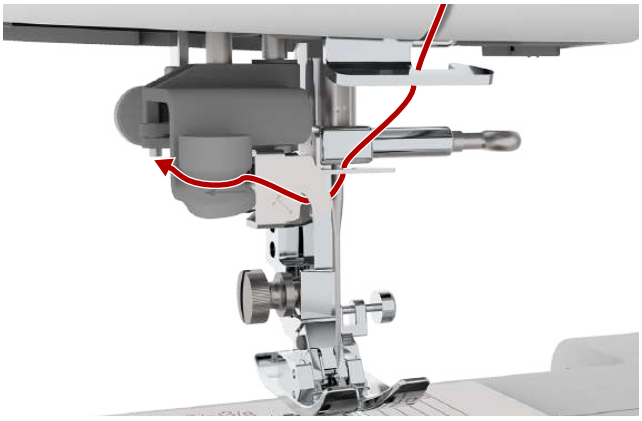

**13.** Guide the thread from right to left behind the first thread guide in the needle area.



**14.** Guide the thread from the right to the left behind the second thread guide in the needle area.



**15.** Place the thread around the thread guide and pass it between the clamps.



**16.** Cut the thread on the thread cutter from front to back.

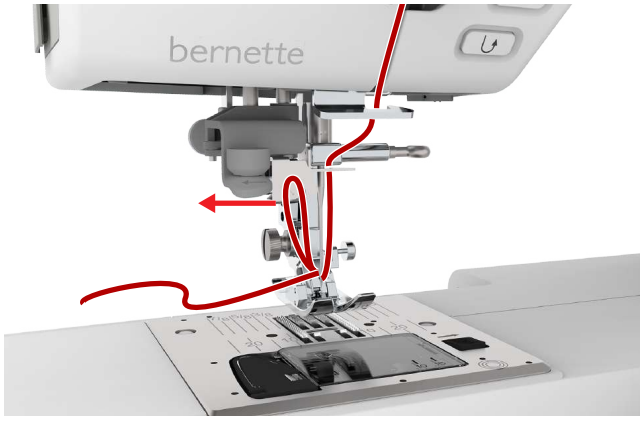



**17.** Press the needle threader lever down as far as it will go and release it.




⇨ The thread is pushed through the eye of the needle.

**18.** Pull the thread loop to the back until the thread end is pulled through the needle.

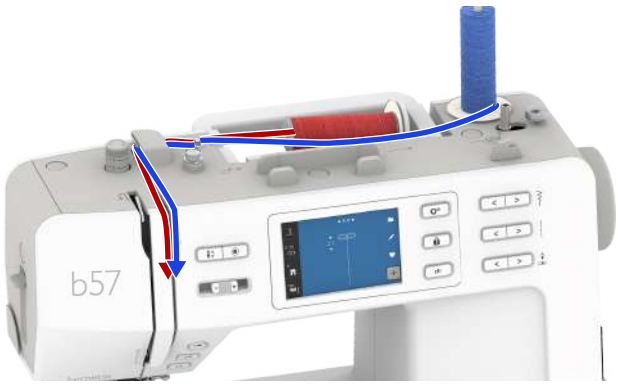



**19.** Unlock the screen.

⇨ The needle is threaded.

## Threading the Twin Needle

To thread a double needle, thread both threads one after the other according to the instructions for the single needle. Start with the left needle. [▸ see page 17]



Note the following differences:

1. Insert the vertical spool pin into the attachment for the vertical spool holder.
2. Place one felt pad each on the vertical and the horizontal spool pin.
3. Place the spool for the left needle on the vertical spool pin and the spool for the right needle on the horizontal spool pin.
4. Select a spool cap with the same diameter as the spool and place it on the spool pin. The spool should not rotate. The thread should unwind evenly.
5. Guide both upper threads up to the thread tension disc as described when threading a single needle.
6. At the thread tension disc, guide the thread for the left needle down the left and the thread for the right needle down the right of the thread tension disc.
7. Guide the threads up to the needle in the same way as described when threading the single needle.
8. Thread both needles by hand.

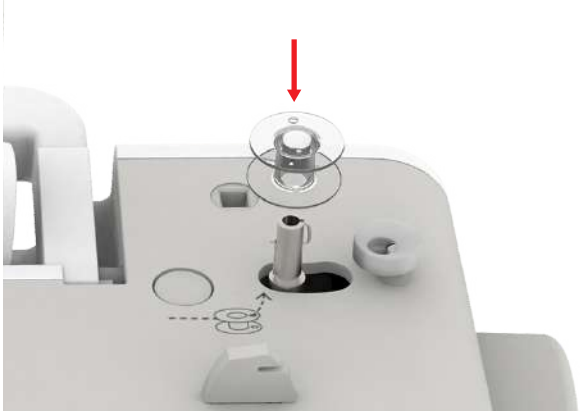
## 2.11 Bobbin Thread

For general sewing, we recommend using the same thread for the upper thread and the lower thread.

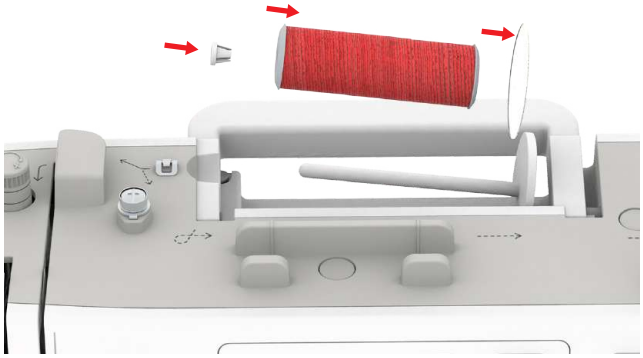
### Bobbin Winding

The thread path for winding the bobbin thread is marked with arrows on the machine.

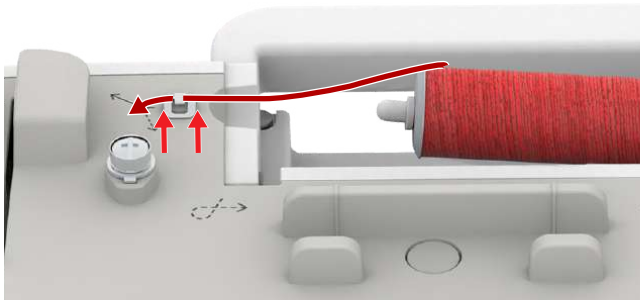
1. Place the empty bobbin on the bobbin winding unit.



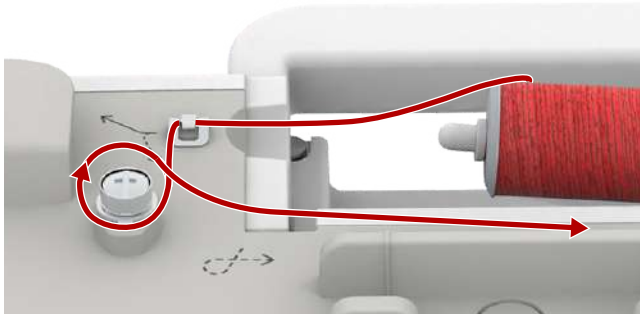
2. Place a felt disc, the thread spool and spool cap on the vertical thread spool pin.



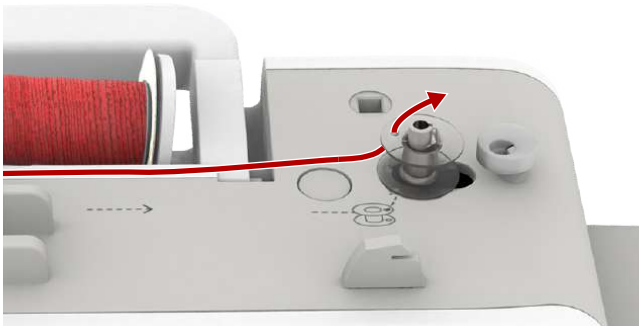
3. Hold the thread on the left and the right and pull it tightly under the thread guide eyelet from the front to the back.



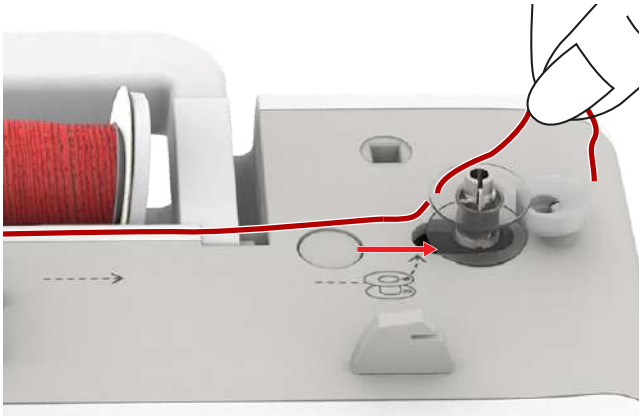
4. Guide the thread around the bobbin winder pre-tension in the direction of the arrow.



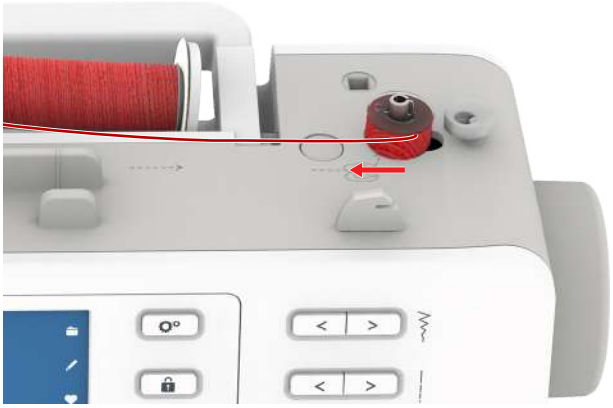
5. Pull the end of the thread through the threading hole on the top of the bobbin.



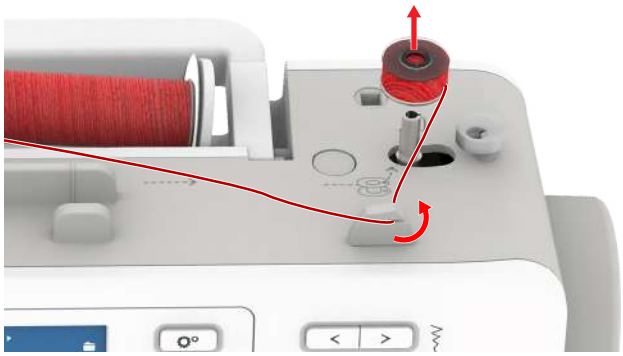
6. Hold the thread end with one hand. Push the bobbin to the right position.



7. Start and stop the winding process for a few revolutions with the **Start/Stop** button so that the thread sits firmly on the bobbin.
8. Cut the end of the thread above the inner hole.
9. To continue the winding process, press the **Start/Stop** button.
10. To end the winding process, press the **Start/Stop** button.
11. Push the bobbin to the left to the starting position.

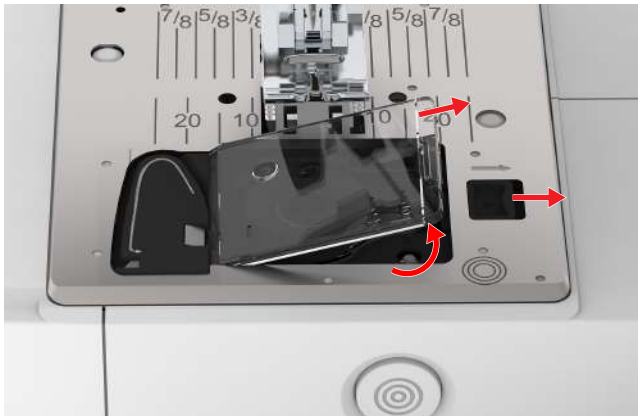


12. Remove the bobbin and cut the thread using the thread cutter.

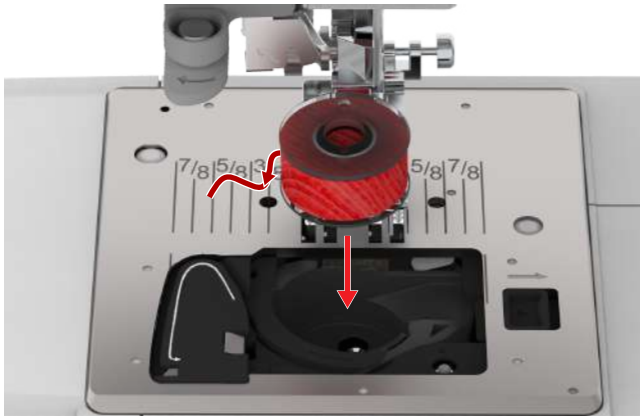


## Threading the Bobbin Thread

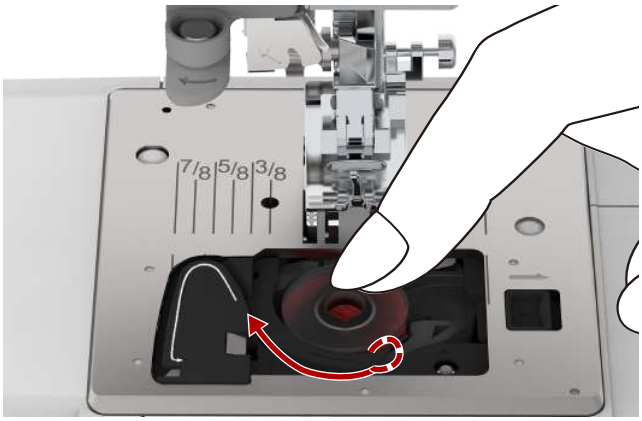
1. Raise the needle.
2. Raise the presser foot.
3. Lock the screen.
4. To open the bobbin cover, push the handle to the right and remove the bobbin cover.



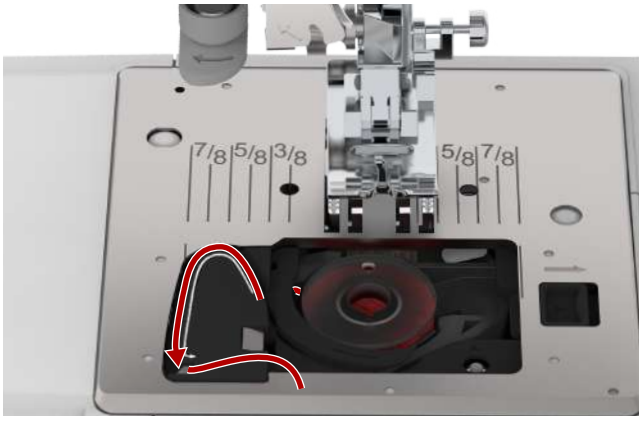
5. Remove the bobbin from the bobbin case.
6. Insert the new bobbin so that it rotates counter-clockwise.



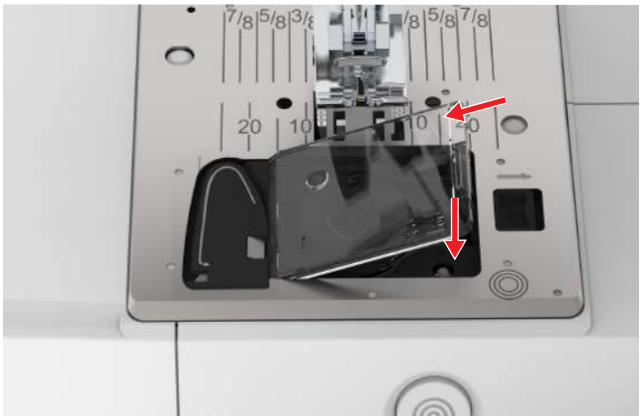
7. Pull the thread into the slit. When doing so, press lightly on the bobbin.



8. Follow the arrow markings to bring the thread into the bobbin thread guide.



9. Fit the bobbin cover.



## 2.12 Presser Foot

### Raising/lowering the Presser Foot

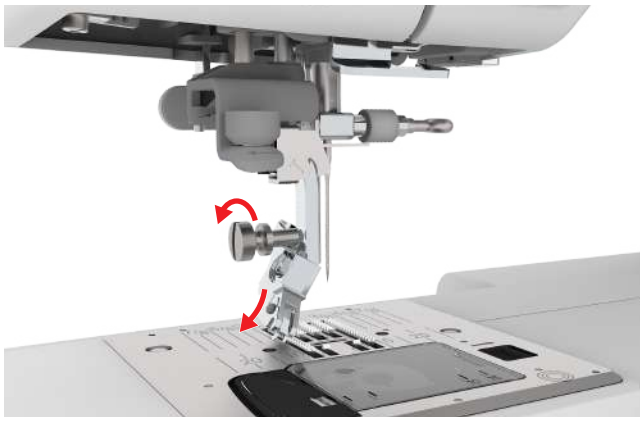
- To lift the presser foot, press the presser foot lifter lever upwards until it clicks into place.
- To lower the presser foot, press the presser foot lifter lever downwards.

**TIP**

You can also raise the presser foot by pushing the presser foot lever all the way up until it clicks into place. This makes it easier to position particularly thick fabrics or multiple layers of fabric under the presser foot.

### Removing the Presser Foot Holder

1. Raise the needle.
2. Raise the presser foot.
3. Lock the screen.
4. Loosen the fixing screw and pull the presser foot holder to the side and downwards.



### Changing the Presser Foot Sole

#### Removing the Presser Foot Sole

1. Raise the needle.
2. Raise the presser foot.
3. Lock the screen.

4. Press your finger against the front edge of the presser foot sole.



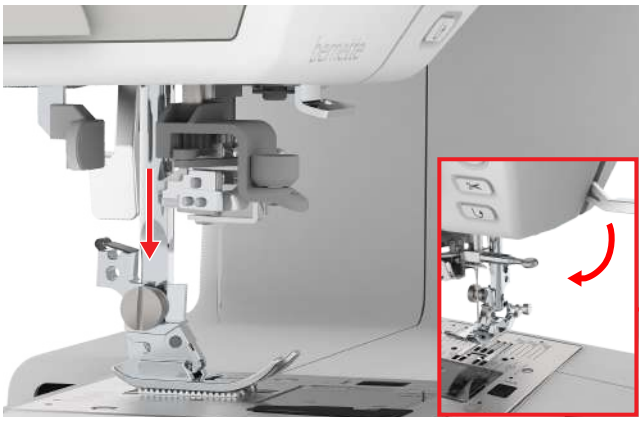
⇨ The presser foot sole is unlocked.

### Fitting the Presser Foot Sole

1. Place the presser foot sole under the presser foot holder so that the cross pin is under the opening of the presser foot holder.



2. Lower the presser foot holder by using the presser foot lifter lever.

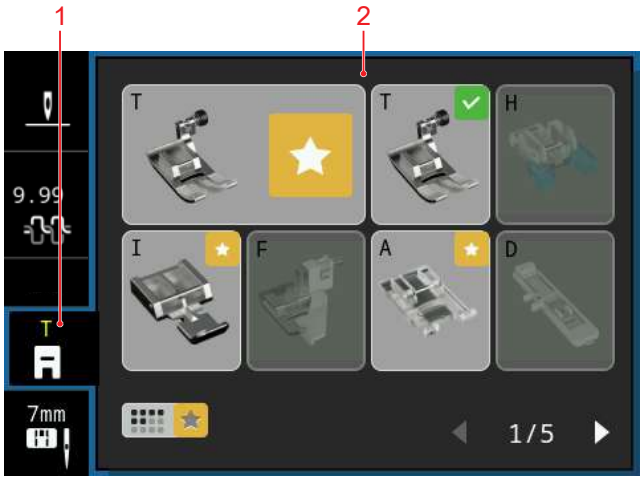


3. Lock the presser foot sole in place with the presser foot clamp.

⇨ The presser foot sole clicks into place.

## Presser Foot Selection

Sewing ▸ Presser Foot




**1** Recommended Presser Foot **2** Presser Foot Overview

The presser foot recommended for the selected stitch pattern is displayed in the status bar.

The presser feet compatible with the machine are displayed in the **Presser Foot Overview** section.

Recommended presser feet are marked with the **Recommended** ★ icon.

In order for the machine to check the compatibility of the stitch, presser foot, needle and stitch plate, you must select the attached presser foot in the **Presser Foot Overview** section. The selected presser foot is displayed in the status bar.

If the stitch pattern is not compatible with the selected presser foot, this can lead to collisions - an error message will appear, the stitch in the stitch preview is shown in red and the machine does not start.

### Recommended

With the **Recommended** ★ function, you can filter the overview by recommended presser feet.

# 2.13 Fabric Feed

## Feed Dog

The feed dog moves the fabric under the presser foot. To ensure that the fabric is fed evenly, the presser foot must be positioned horizontally. To compensate for the seam height, you can place one or more plates of the height compensation tool behind or in front of the needle under the presser foot as required.

For applications where the fabric is to be allowed to be guided freely, the feed dog can be lowered.

1. To lower the feed dog, slide the lever **Feed Dog Up/Down** to the left.



2. To raise the feed dog, slide the lever **Feed Dog Up/Down** to the right.
   ⇨ The feed dog is fully raised after sewing the first stitch.



## 2.14 Spacer Clamps

You can use the spacer clamps in the smart device holder to hold your smartphone or tablet securely in place. The clamping jaws of the clamps vary in width. Depending on the gap between the device and the holder, the clamp is inserted so that the appropriate clamping jaw (wide or narrow) is facing forwards.

### Fitting the Spacer Clamps

***NOTICE***

**Damage to the smart device caused by being dropped**

If the smart device is too large or is not inserted correctly, it may fall out of the holder and get damaged.

- ► Only use devices with a thickness of 8 - 12 mm.
- ► Check that the smart device is securely seated in the holder.
- ► Pay attention to the angle of inclination:
  - for a thickness of 8 mm, max. 19°
  - for a thickness of 12 mm, max. 10°

1. Insert the smart device into the smart device holder.
2. If necessary, place the spacer clamps behind the device on the holder so that the markings on the spacer clamps and the holder meet.



3. Check that the smart device is securely seated in the holder.

## 2.15 Machine Settings

### Machine Data

Settings ► Machine ► Machine Data v1.0

In the **Machine Data** v1.0 area, the firmware and machine data are displayed.

### Usage Data

This feature **Usage Data** allows you to download the anonymized data associated with your machine from the BERNINA Cloud Compatible service to your mobile device by opening and scanning the QR code.

### Sound

Settings ► Sound

With the setting **Sound** , you can generally activate and deactivate the acoustic signals.

### Monitoring Functions

Settings ► Machine ► Monitoring Functions

The machine has monitoring sensors that warn you if the upper or bobbin thread has broken or run out. With the **Monitoring Functions** setting, you can switch the upper thread indicator and the bobbin thread indicator on or off.

## 2.16 Personal Settings

### Background Color

Settings ► Personal ► Background Color

With the **Background Color** setting, you can select a color scheme for your screen.

## 2.17 Sewing Settings

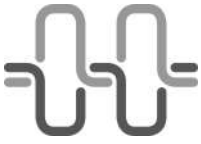
### Upper Thread Tension

Settings ► Sewing ► Upper Thread Tension

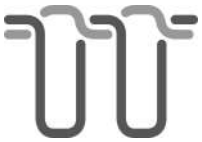
The upper thread tension is optimally set in the factory.

Depending on the brand of sewing thread, variations in upper thread tension may occur. You can override the default setting based on thread and fabric you are using in the Upper Thread Tension in the Sewing Settings. This modification is made to all sewing patterns and kept until changed again in the Settings, even after a machine restart.

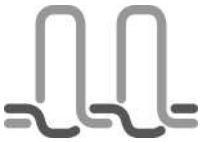
The higher the upper thread tension is set, the tighter the upper thread is tensioned, and the bobbin thread is pulled deeper into the fabric. The lower the upper thread tension is set, the less the upper thread is tensioned, and the bobbin thread is pulled less deeply into the fabric.



**Perfect Stitch Formation**
The thread knotting is in the center of the fabric.



**Upper thread tension too tight**
This pulls the bobbin thread more strongly into the fabric.



**Upper thread tension too loose**
This pulls the upper thread more strongly into the fabric.

**TIP**

If the sewing test shows that the upper thread tension is not optimal for a stitch pattern, you can modify the upper thread tension for the selected stitch pattern using the **Upper Thread Tension** function in the status bar.

**TIP**

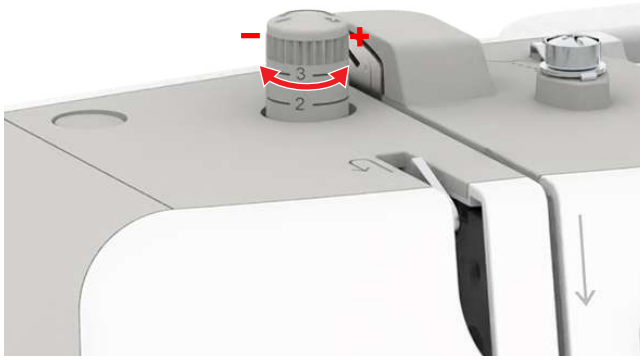
When the presser foot is raised, the upper thread tension is released. This makes it easier to thread the upper thread into the thread guide and to pull it tight.

### Presser Foot Pressure

The presser foot pressure has a default setting for working with medium-weight fabrics.

Thick fabrics are easier to move under the presser foot when the presser foot pressure is reduced. When working with thin fabrics, a higher presser foot pressure prevents the fabric from slipping easily.

We recommend testing the setting before you start to check how the fabric is fed. In the case that the fabric is only fed with resistance, you can reduce the presser foot pressure. If the fabric slips slightly under the presser foot, you can increase the presser foot pressure.



**TIP**

With the lowered presser foot, it is easier to adjust the presser foot pressure.

## Max. Sewing Speed

Settings ► Sewing ► Max. Sewing Speed

With the setting **Max. Sewing Speed** , you can limit the maximum sewing speed. The setting is saved when the machine is switched off.

The maximum sewing speed is 800 stitches per minute.

## Securing Stitches

Settings ► Sewing ► Securing Stitches

With the **Securing Stitches** function, you can set whether securing stitches should be sewn automatically upon starting sewing.

## External Buttons

Settings ► Sewing ► External Buttons

With the **External Buttons** function, you can program additional functions for the following buttons:

- **Thread Cutter**
- **Securing**

### Thread Cutter

Settings ► Sewing ► External Buttons ► Thread Cutter

With the **Thread Cutter** setting, you can specify whether additional securing stitches are sewn when the button **Thread Cutter** is pressed.

#### Securing

With the **Securing** function, you can switch the sewing of securing stitches on and off.

When the function **Securing** is activated, short securing stitches are sewn in place.

### Tie-Off

Settings ► Sewing ► External Buttons ► Tie-Off

The setting **Tie-Off** allows you to specify which function is performed when the button **Tie-Off** is pressed. The following functions for stitches are available:

- **Practical Stitches**
  - Specify the number of securing stitches with the **Securing** function.
- **Decorative Stitches** :
  - Activate and deactivate the **Pattern End** function. When the **Pattern End** function is activated, the machine automatically stops at the end of a stitch pattern or stitch pattern combination.
  - Activate and deactivate the **Securing** function. When the **Securing** function is activated, the number of sewing stitches can be specified.

## Balance

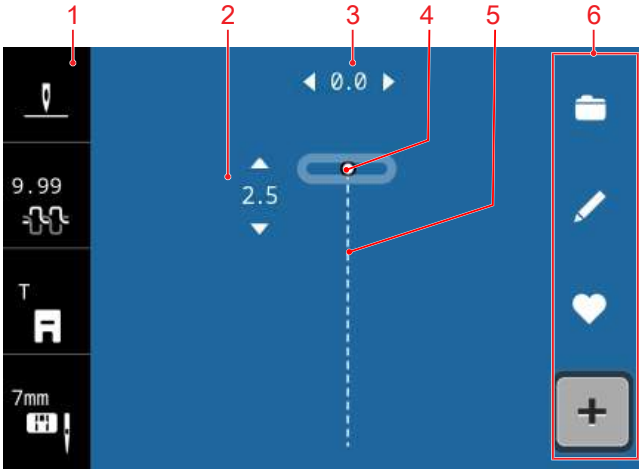
Settings ► Sewing ► Balance

Different fabrics, threads and stabilizers can affect the programmed stitch patterns so that they cannot be sewn out correctly. The electronic balance corrects these deviations so that the stitch patterns are optimally adapted to the fabric to be processed. The adjustment to the balance affects all stitch patterns.

1. To increase the stitch density of a stitch pattern, set the balance value higher.
2. To reduce the stitch density of a stitch pattern, set the balance value lower.
3. Test the modifications by sewing a test sample. If necessary, make further adjustments to the balance.

# 3 Sewing Screen






**1** Status Bar **2** Stitch Length **3** Stitch Width **4** Needle Position **5** Stitch Preview **6** Quick Access Bar

### Stitch Length

The function **Stitch Length** allows you to set the stitch length for the stitch you are currently sewing. [▸ see page 35]

### Stitch Width

With the **Stitch Width** function, you can adjust the width of the current stitch. [▸ see page 35]

### Needle Position

If the needle has been moved to the left or right, the value of the needle position is displayed. You can move the needle position back to the middle position by tapping the icon **Needle Position**.

### Stitch Preview

A preview of the current stitch or stitch pattern combination is displayed in the stitch preview. In combi mode, you can select the individual stitches in the stitch preview.

## 3.1 Status Bar

### Needle Stop

The **Needle Stop** icon shows the needle position when the machine is stopped.

- : Needle Stop Up.
- : Needle Stop Down.

You can set the needle position to stop up or down by toggling the icon.

### Upper Thread Tension

The **Upper Thread Tension** icon shows the recommended upper thread tension for the selected stitch.

You can modify the upper thread tension for the selected stitch by tapping the **Upper Thread Tension** icon. [▸ see page 25]

### Presser Foot

The **Presser Foot** status shows the recommended or selected presser foot.

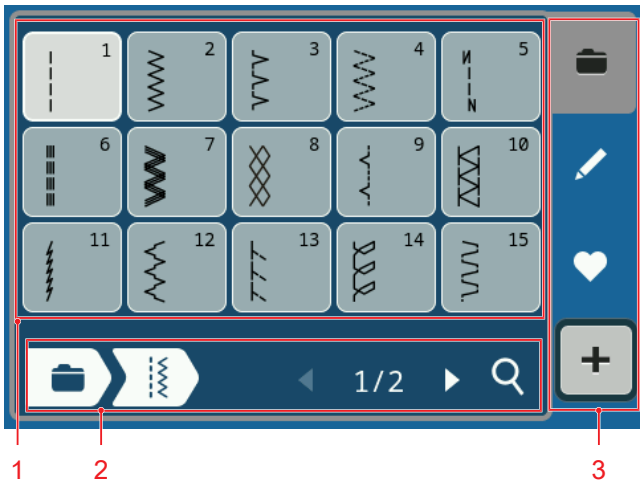
You can open presser foot selection by tapping the icon. You can select the attached presser foot in the presser foot selection. [▸ see page 23]

### Stitch Plate and Sewing Needle

The **Stitch Plate and Sewing Needle** status shows the selected needle and the attached stitch plate. The attached stitch plate is automatically recognized.

You can open the needle overview and select the attached needle by tapping the icon. [▸ see page 16]

## 3.2 Stitch Selection




**1** Selection Area **2** Navigation Bar **3** Quick Access Bar

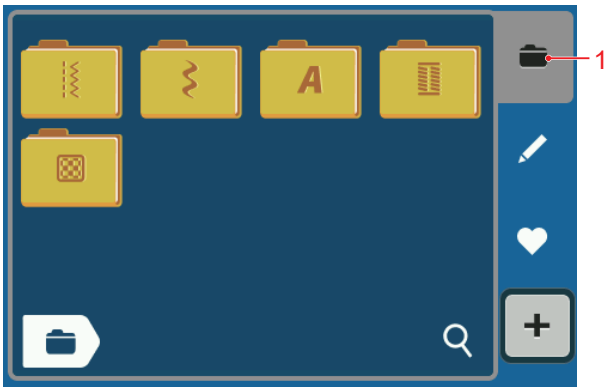
### Navigation Bar

The Navigation Bar shows the path to the selected stitch pattern.

### Search

With the **Search** function, you can search for stitch patterns by stitch number.

## Selection Area




**1** Stitch Selection

### Practical Stitches

In the **Practical Stitches** folder, you will find all practical stitches. [▸ see page 29]

### Quilt Stitches

In the **Quilt Stitches** folder, you will find all quilt stitches. [▸ see page 33]

### Decorative Stitches

In the **Decorative Stitches** folder, you will find all decorative stitches collated into folders by categories. [▸ see page 31]

### Alphabets

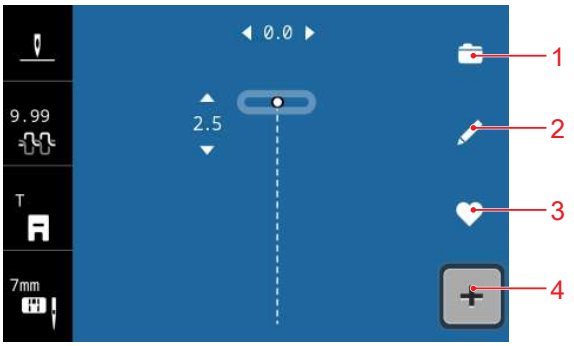
In the **Alphabets** folder, you will find all sewing alphabets. [▸ see page 31]

### Buttonholes

In the **Buttonholes** folder, you will find all buttonholes, eyelets and the Button Sew-on Program. [▸ see page 32]

## Quick Access Bar

Using the Quick Access Toolbar, you can directly access the selection area and the Personal Folder, as well as open the Editing Functions and combination mode.




**1** Selection Area **2** Edit **3** Personal Folder **4** Combi Mode

### Selection Area

In the selection area, you can navigate through the folders and load a stitch pattern. Each stitch pattern is displayed with a preview image.

If you tap the icon in the preview, the stitch pattern is loaded.

### Edit

With the **Edit** function, you can open the stitch pattern editing functions. [▸ see page 35]

### Personal Folder

In the folder **Personal Folder** , you can save and load your own stitch pattern. You can organize the stitch patterns in folders.

### Combi Mode

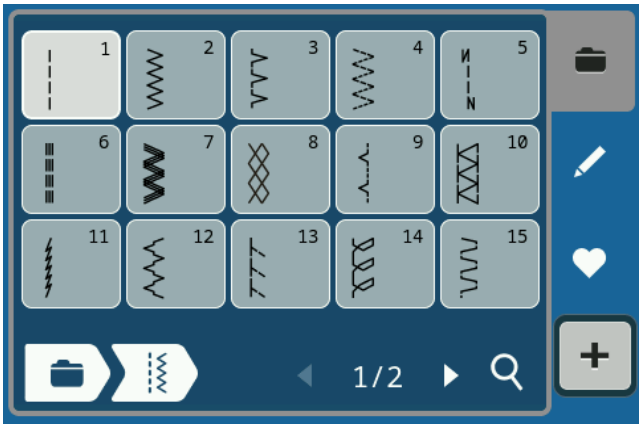
With the **Combi Mode** you can switch the combi mode on and off. [▸ see page 38]

# 4 Stitch Overview



## 4.1 Practical Stitches

Practical Stitches




| Stitch patterns | Stitch number | Name | Purpose |
|---|---|---|---|
| | 1 | Straight Stitch | For joining seams, for topstitching and basting. |
| | 2 | Zigzag | For finishing, sewing knit seams, sewing on lace inserts and elastic bands. |
| | 3 | Vari-Overlock | To finish edges, sewing knit fabrics together and finishing them. |
| | 4 | Running Stitch | For darning and reinforcing fabric edges or attaching lace or elastic tape. |
| | 5 | Securing Program | For automatic securing at the start and the end of the seam with forward and reverse stitches. |
| | 6 | Triple Straight Stitch | For reinforced seams on heavy fabrics, topstitching and decorative effects. |
| | 7 | Triple Zigzag | For durable seams on strong fabrics, visible hems and decorative seams. |
| | 8 | Honeycomb Stitch | For visible and decorative seams on knits and wovens. |
| | 9 | Blind Stitch | For blind hems on most fabric types and for shell edging on soft jerseys and fine fabric. |
| | 10 | Double Overlock | For sewing together and finishing knit fabrics. |
| | 11 | Superstretch Stitch | For very stretchy open seams. |

# 4 Stitch Overview



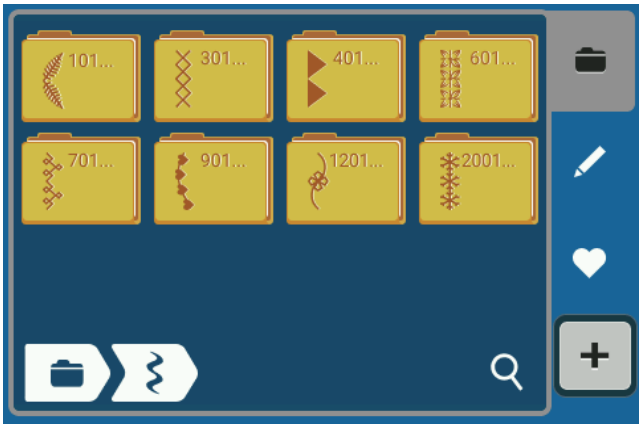
| Stitch patterns | Stitch number | Name | Purpose |
|---|---|---|---|
|  | 12 | Gathering Stitch | For gathering with heavier threads and for flat joining seams on medium-weight fabrics. |
|  | 13 | Stretch Overlock | For sewing together and finishing knit fabrics as well as for flat joining seams. |
|  | 14 | Tricot Stitch | For visible hems and seams in lingerie and sweaters and for mending tricot fabric. |
|  | 15 | Universal Stitch | For flat joining seams, visible hems and decorative seams in heavy fabrics such as felt and leather and for attaching elastic tape. |
|  | 16 | Stitched Zigzag | For finishing and reinforcing fabric edges, for sewing on elastic tape and for decorative seams. |
|  | 17 | Elastic Stitch | For flat joining seams, visible hems on elastic fabrics and for stitching over seams in under-garments. |
|  | 18 | Stretch Stitch | For stretchy seams and hems in woven and knit fabrics. |
|  | 19 | Reinforced Overlock | For overlock seams or flat joining seams on medium-weight knit fabrics and toweling. |
|  | 20 | Knit Overlock | For stretchy seams and hems in woven and knit fabrics. |
|  | 21 | Basting Stitch | For tacking seams, hems and for quilting projects. |
|  | 22 | Simple Darning Program | For automatic darning in fine to heavy fabrics. |
|  | 23 | Reinforced Darning Program | For automatic darning in heavy materials. |
|  | 24 | Bartack Program | For reinforcing pocket openings, buttonholes and sewing belt loops. |
|  | 25 | Bartack Program | For reinforcing pocket openings and securing seam ends. |
|  | 26 | Large Fly Stitch | For reinforcing pocket openings, zippers and slits in medium-weight to heavy fabrics. |

# 4 Stitch Overview



## 4.2 Decorative Stitches

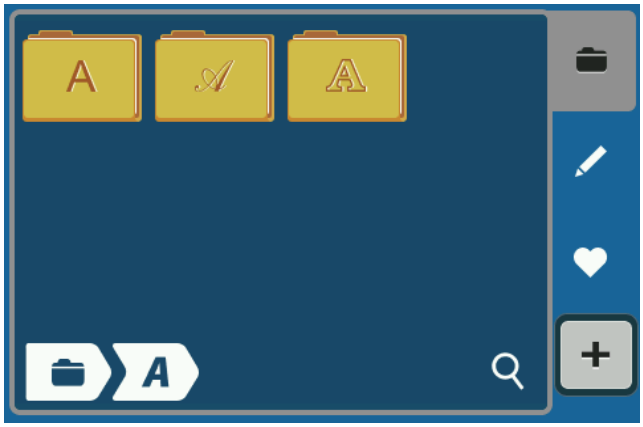
Sewing ▸ Decorative Stitches




| Category | Name |
|---|---|
| 100 | Nature |
| 300 | Cross Stitches |
| 400 | Satin |
| 600 | Geometric |
| 700 | Heirloom |
| 900 | Children |
| 1200 | Filigree Sideways Motion |
| 2000 | Seasons |

## 4.3 Alphabets

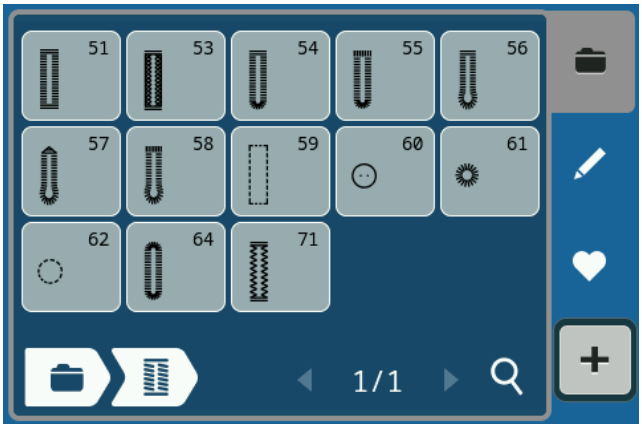
Sewing ▸ Alphabets A




| Stitch Patterns | Name |
|---|---|
| ABCabc | Block |
| ABCabc | Script Italic |
| ABCabc | Double Block |

## 4.4 Buttonholes

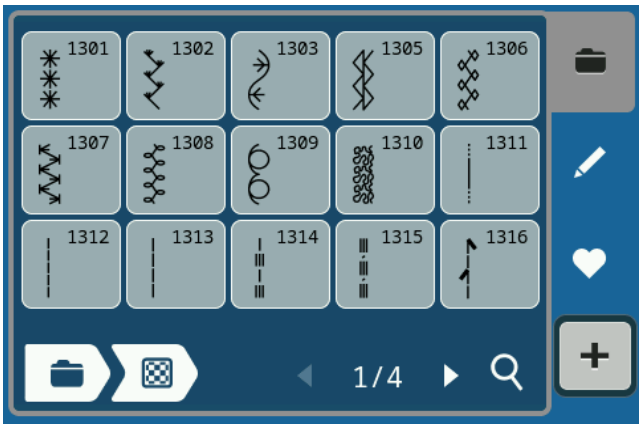
Sewing ▸ Buttonholes




| Stitch patterns | Stitch number | Name | Purpose |
|---|---|---|---|
| | 51 | Standard Buttonhole | For light to medium-weight fabrics. e.g. blouses, dresses and bed linen. |
| | 53 | Stretch Buttonhole | For all knit fabrics. |
| | 54 | Round Buttonhole with Normal Bartack | For medium-weight to heavy fabrics. e.g. dresses, jackets, coats and rainwear. |
| | 55 | Round Buttonhole with Horizontal Bartack | For medium-weight to heavy fabrics, with a reinforced bar, e.g. dresses, jackets, coats and rainwear. |
| | 56 | Keyhole Buttonhole | For heavy woven fabrics, e.g. jackets, coats and leisure wear. |
| | 57 | Keyhole Buttonhole with Pointed Bartack | For stronger, woven fabrics, e.g. jackets, jeans coats and leisurewear. |
| | 58 | Keyhole Buttonhole with Horizontal Bartack | For heavy woven fabrics, e.g. jackets, coats and leisurewear. |
| | 59 | Straight Stitch Buttonhole | For staystitching and reinforcing buttonholes and as buttonhole edging, especially for buttonholes in leather and imitation leather. |
| | 64 | Double-rounded Buttonhole | For medium-weight to heavy fabrics. |
| | 60 | Button Sew-on Program | Sews buttons with 2 or 4 holes. |

| Stitch patterns | Stitch number | Name | Purpose |
|---|---|---|---|
| | 61 | Small Zigzag Eyelet | Openings for cords or narrow ribbons and for decorative work. |
| | 62 | Straight Stitch Eyelet | Openings for cords or narrow ribbons and for decorative work. |
| | 71 | Stretch Buttonhole | For jeans or stretch fabric with a coarse weave. |

## 4.5 Quilt Stitches



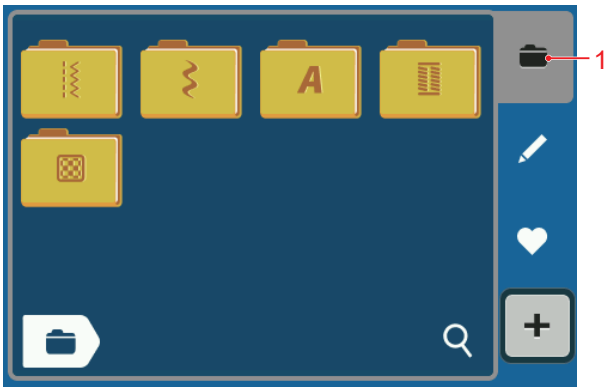

| Stitch | Number | Name | Purpose |
|---|---|---|---|
| | 1301 | Decorative Quilting Stitch Variations 1301-1310, 1346 | For "Crazy Patchwork" and embellishing. |
| | 1311 | Quilting, Securing Program | To secure at the sewing start and end with short stitches forward. |
| | 1312 | Quilting, Straight Stitch | Straight Stitch 2 mm stitch length, to join patchwork parts. |
| | 1313 | Piecing Stitch/Straight Stitch | Straight Stitch at 3 mm stitch length. |
| | 1314 | Hand-look Quilt Stitch Variations: 1315, 1339, 1343, 1345, 1349, 1350, 1351 | Imitation of hand-look quilt stitch with monofilament. |
| | 1316 | Decorative Quilting Stitch Variations 1316, 1317, 1320-1322, 1325-1329, 1334-1336, 1040-1041 | For "Crazy Patchwork" and embellishing. |

# 4 Stitch Overview



| Stitch | Number | Name | Purpose |
|---|---|---|---|
|  | 1318 | Blanket Stitch<br>Variations:<br>1347 | For appliqué and sewing on ribbons. |
|  | 1319 | Double Blanket Stitch<br>Variations:<br>1348 | For appliqué and sewing on ribbons. |
|  | 1323 | Dual Blanketstitch | To edgestitch between two appliqués, "Crazy Patchwork". |
|  | 1324 | Double Blanketstitch dual | To edgestitch between two appliqués, "Crazy Patchwork". |
|  | 1330 | Featherstitch Variations<br>1330-1332, 1346 | For "Crazy Patchwork" and embellishing. |
|  | 1333 | Stippling Stitch/Stippling Quilt Stitch | Imitation of stipple quilting. |
|  | 1337 | Feather Stitch<br>Variations:<br>1338, 1342 | For "Crazy Patchwork" and embellishing. |

## 5.1 Load Stitch Pattern



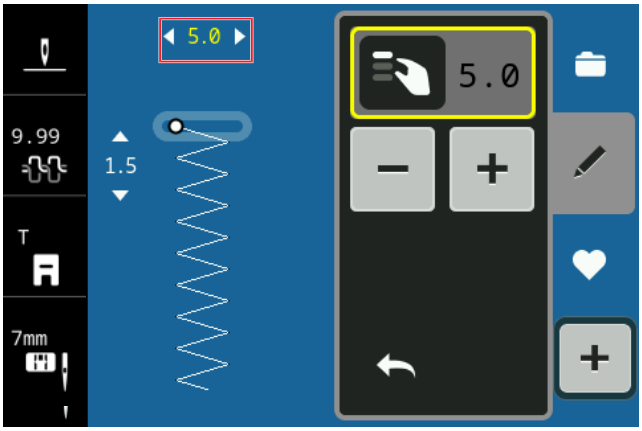

1 Stitch Selection

1. Tap the selection area in the quick access bar.
2. Tap the desired stitch category.
3. Search for the desired stitch pattern and select it.
   ⇨ The stitch pattern is displayed in the stitch preview.

Further information on the selection area can be found in the stitch selection. [▸ see page 27]

## 5.2 Stitch Pattern Editing

### Stitch Width



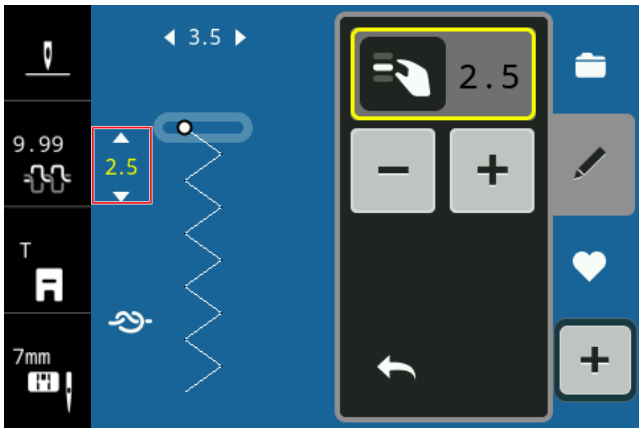

The recommended stitch width is indicated for each stitch. You can modify the stitch width for most stitches, alphabets and buttonholes. The stitch width depends on the needle used, the presser foot and the stitch plate.

The machine checks the compatibility between the needle, presser foot, stitch plate and stitch. To do this, click the icon **Presser Foot** in the status bar to select the attached presser foot and the attached needle. If the stitch cannot be sewn with the selected presser foot, the selected needle, and the mounted stitch plate, the stitch will be displayed in red.

**TIP**

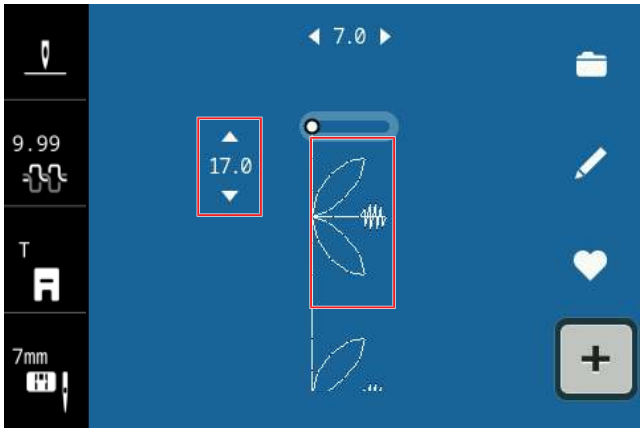
You can also modify the stitch width during sewing with the **Stitch Width** button.

### Stitch Length




The recommended stitch length is indicated for each stitch. You can modify the stitch length for most stitches, alphabets and buttonholes.

With decorative stitches, alphabets and stitch pattern combinations, the pattern length is displayed instead of the stitch length.

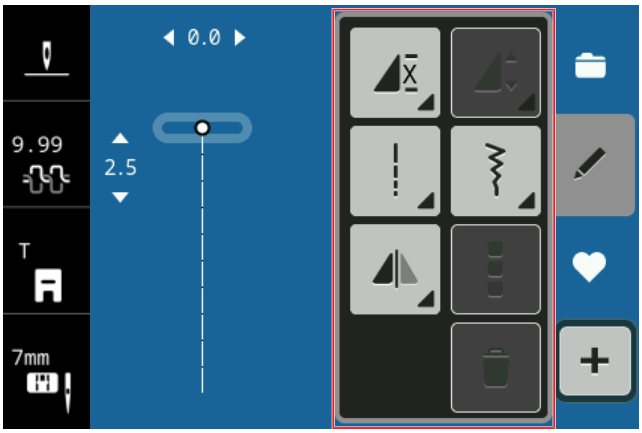



**TIP**

You can also modify the stitch length during sewing with the **Stitch Length** button.

## Editing Functions

Sewing ▸ Edit




With the **Edit** function, you can view the editing functions for the selected stitch.

### Repeat

Sewing ▸ Edit ▸ Repeat

With the **Repeat** function, you can set the number of repeats of a stitch pattern after which the machine should stop. You can set up to 9 repeats. The number of repeats still to be sewn is displayed on the Sewing Screen.

If you tap and hold the **Repeat** button, the function is switched off.

The function **Tie-Off** allows you to automatically add securing stitches at the end of the repeated stitch pattern.

### Mirror Left/Right

Sewing ▸ Edit ▸ Mirror Left/Right

With the **Mirror Left/Right** function, you can mirror a stitch pattern along the vertical axis.

By tapping on the icon **Mirror Left/Right** , the icon **Mirror Up/Down** becomes visible too.

### Mirror Up/Down

Sewing ▸ Edit ▸ Mirror Up/Down

With the **Mirror Up/Down** function, you can mirror a stitch pattern along the horizontal axis.

### Stitch Pattern Length

Sewing ▸ Edit ▸ Stitch Pattern Length

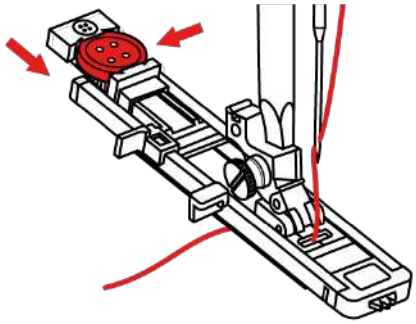
With the **Stitch Pattern Length** function, you can enlarge or decrease the size of the stitch pattern.

## 5.3 Buttonholes

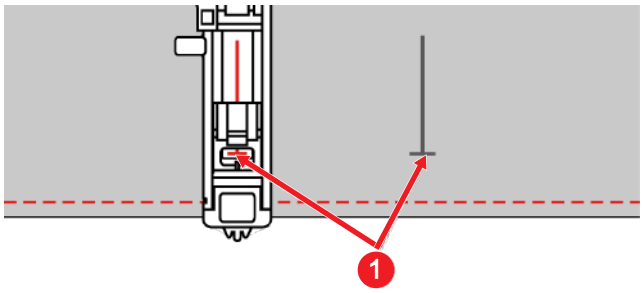
With the buttonhole foot with slide, you can sew as many buttonholes as you like, each one measuring exactly the same length. The buttonhole size is automatically determined by placing a button in the buttonhole foot with slide. The maximum buttonhole length is 3 cm (the sum of the button's diameter and thickness). The maximum fabric thickness must not be more than 5 mm.

### Sewing a Buttonhole Automatically

1. Fit the buttonhole foot with slide.
2. Pull out the button holder plate and insert the button.

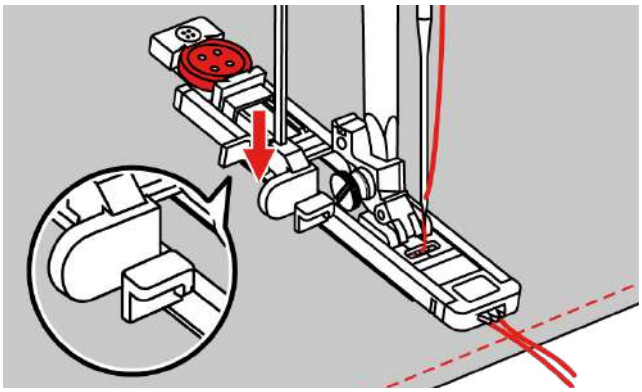


3. Push the button holder plate backwards until it comes to rest against the button.
   ⇨ The length of the buttonhole is determined.
4. Pass the thread through the hole in the presser foot and then place it under the foot.
5. Adjust the stitch width and stitch length to the desired width and density.
6. Position the fabric under the presser foot so that the marking of the centerline is aligned with the starting point (1).

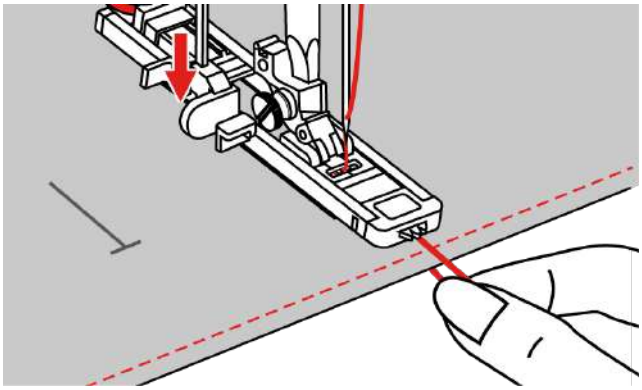



7. Make sure that there is no gap between the presser foot tip and the plastic part.
8. Press the **Start/Stop** button.
   ⇨ While the buttonhole lever is raised, the display shows an error message to lower the buttonhole lever.

9. Pull the buttonhole lever down as far as possible until it clicks into place.



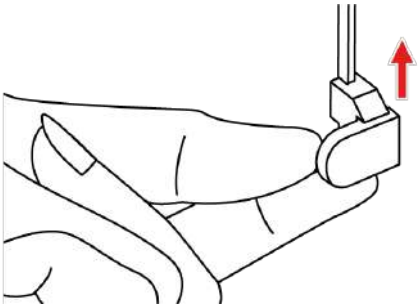
10. Hold the upper thread vertically to the buttonhole foot with slide and start sewing.



⇨ After the buttonhole has been sewn, the machine automatically sews a securing stitch before stopping.

⇨ The buttonholes are sewn from the front of the presser foot towards the back.

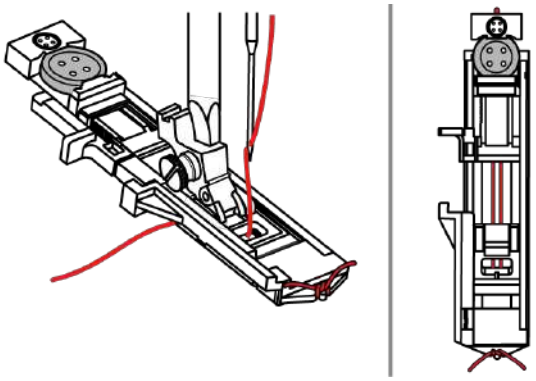
11. Raise the presser foot and cut the thread.
12. After sewing the buttonhole, raise the buttonhole lever until it stops.



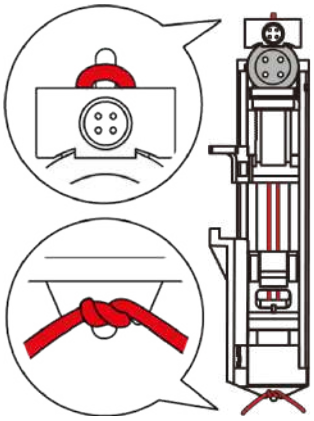
## Reinforcing Buttonholes

When sewing buttonholes on stretch fabric, hook a heavy thread or a cord under the buttonhole foot.

1. Fit the buttonhole foot with slide.
2. Pull out the button holder plate and insert the button.
3. Pass the thread through the hole in the presser foot and then place it under the foot.



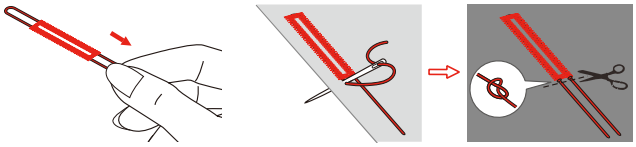
4. Bring the two thread ends to the front of the presser foot and insert them into the grooves and tie them there temporarily.
5. Set the stitch width and stitch density.



6. Lower the presser foot an sew the buttonhole.

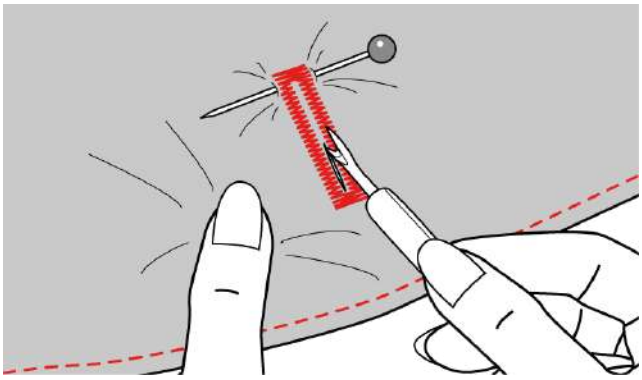
⇨ The cord is sewn over by the buttonhole beed.

7. Pull the cord loop tight until it disappears inside the bartack.
8. Pull the ends of the cord to the wrong side of the fabric using a hand stitching-needle and knot or secure them with stitches.



### Cutting the Buttonhole Open

1. To prevent the buttonhole bartack from being cut open, insert a pin to protect it.
2. Cut the buttonhole open with the seam ripper.



## 5.4 Administering Stitch Patterns

### Load Stitch Pattern

Sewing ▸ Personal Folder ♥ ▸ Load Stitch Pattern

With the function **Load Stitch Pattern** you can upload your own stitch patterns from the folder **Personal Folder** ♥ .

### Save Stitch Pattern

Sewing ▸ Personal Folder ♥ ▸ Save Stitch Pattern

With the function **Save Stitch Pattern** , you can save modified stitch patterns as your personal stitch patterns in the folder **Personal Folder** ♥ .

### Deleting Stitch Pattern

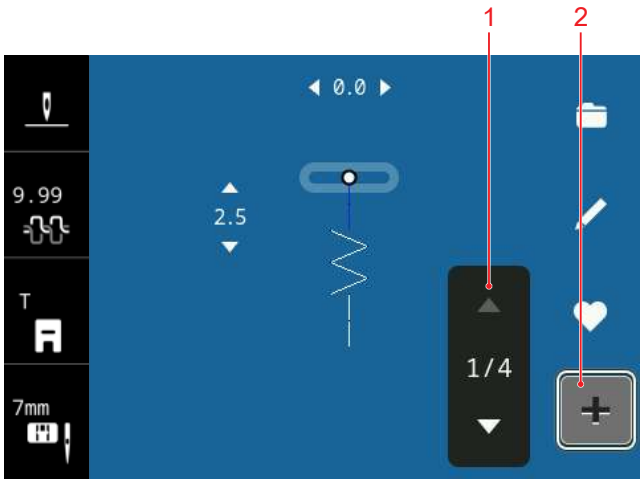
Sewing ▸ Personal Folder ♥ ▸ Deleting Stitch Pattern

With the function **Deleting Stitch Pattern** , you can delete stitch patterns in the folder **Personal Folder** ♥ .

## 5.5 Stitch Pattern Combination

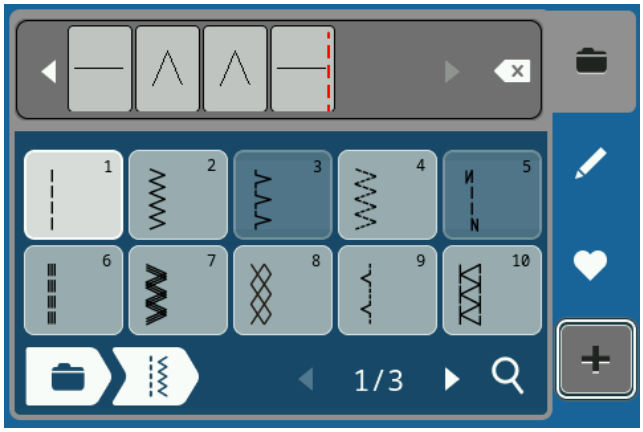
### Combi Mode

In combi mode, you can combine stitch patterns and letters to create stitch pattern combinations or lettering. Stitch pattern combinations can be saved and sewn out as one stitch pattern.




**1** Stitch Pattern Navigation **2** Combi Mode

In full-screen view, you can select specific characters using the icons (uppercase, lowercase, and special characters), navigate between the different stitch patterns, and delete them.

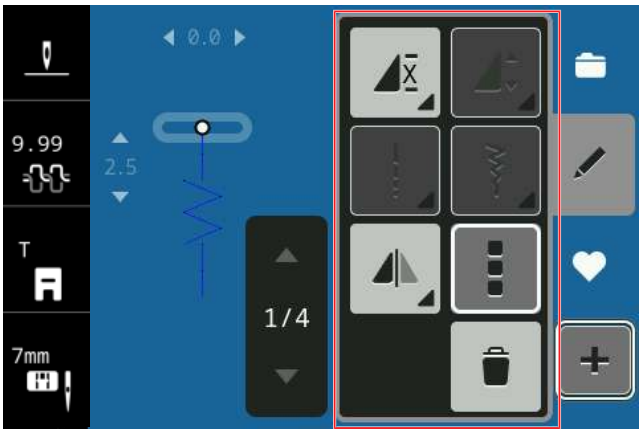



### Creating Stitch Pattern Combinations

Sewing ▸ Combi Mode +

1. Tap the **Combi Mode** + icon in the sewing screen.
2. Combine the desired stitch patterns or letters from the selection area one after another to form a combination.
   ⇨ The stitch patterns are inserted into the combination bar after the selection of the stitch and displayed in the stitch preview.
   ⇨ The combination can be sewn and/or saved.

## Editing Functions




With the **Edit** function, you can edit individual stitch patterns or whole stitch pattern combinations.

By tapping the function **Combi Mode** , the additional functions in the menu editing functions are activated to edit individual stitch patterns, several stitch patterns or the complete stitch pattern combination.

### Delete

Sewing ▸ Combi Mode ▸ Edit ▸ Delete

With the **Delete** function, you can remove the selected stitch pattern from the combination.

### Editing a Stitch Pattern Combination

Sewing ▸ Combi Mode ▸ Edit ▸ Editing a Stitch Pattern Combination

With the **Editing a Stitch Pattern Combination** function, you can edit complete stitch pattern combinations.

## Editing a Stitch Pattern Combination

### Repeat

With the function **Repeat** , you can set the number of repeats of a stitch pattern combination after which the machine should stop. You can set up to 9 repeats. The number of repeats still to be sewn is displayed on the Sewing Screen.

If the function **Repeat** is active, the function **Securing** can be activated. When this function is activated, short securing stitches are sewn one after the other at the beginning of the stitch pattern combination.

### Mirror Left/Right

With the **Mirror Left/Right** function, you can mirror a stitch pattern combination along the vertical axis.

### Delete

Sewing ▸ Combi Mode ▸ Edit ▸ Editing a Stitch Pattern Combination ▸ Delete

With the **Delete** function, you can delete the complete stitch pattern combination.

## Loading a Stitch Pattern Combination

Sewing ▸ Personal Folder ▸ Loading a Stitch Pattern Combination

With the function **Loading a Stitch Pattern Combination** you can upload a stitch pattern combination from the folder **Personal Folder** .

## Saving a Stitch Pattern Combination

Sewing ▸ Personal Folder ▸ Saving a Stitch Pattern Combination

With the function **Saving a Stitch Pattern Combination** you can save a stitch pattern combination in the folder **Personal Folder** .

## Deleting a Stitch Pattern Combination

Sewing ▸ Personal Folder ▸ Deleting a Stitch Pattern Combination

With the **Deleting a Stitch Pattern Combination** function, you can delete a stitch pattern combination in the folder **Personal Folder** .

# 6 Tie-Off



The machine offers various options for securing the thread at the beginning and end of the seam.

**At the Beginning of the Seam**

- Manually sew a few stitches forward, then backward, then forward again.
- If the **Securing Stitches** function is switched on in the sewing settings before sewing begins, the machine secures automatically.

**At the End of the Seam**

- Manually sew a few stitches backward, then forward again.
- Press the **Tie-Off** button when securing is to be carried out.
- Press the button **Thread Cutter** .
  If the button for the **Securing** function is activated in the sewing settings, the machine secures when the button is pressed and cuts the thread.

# 7 Sewing Techniques





## Finishing with Blind Hem

A blind hem is an invisible hem finish that is suitable for most garments and draperies.

https://www.bernette.com/blindstitch-foot



## Sewing on Buttons

Sewing on two- and four-hole buttons by machine allows you to attach buttons to the fabric quickly and evenly.

https://www.bernette.com/button-sew-on-foot



## Sewing a Buttonhole

With the Automatic Buttonhole Foot with Slide #3A, several identical buttonholes can be sewn as often as required.

https://www.bernette.com/buttonhole-foot-with-slide



## Overlock Stitches

When sewing either knit or woven fabrics, you can use overlock stitches to sew fabrics together and finish the edges at the same time.

https://www.bernette.com/overlock-foot



## Sewing in Zippers

Overlapping zippers have a narrow flap of fabric, called the overlap, that covers the zipper teeth on one side. This kind of zipper are most used on medium to heavy weight garments and projects along the center back, the center front or the side seam.

https://www.bernette.com/zipper-foot



## Appliqué

An appliqué is an embellishment created by sewing fabric shapes onto a background fabric. Use a satin or decorative stitch to cover the raw edges.

https://www.bernette.com/embroidery-foot-with-clear-sole



## Finishing Edges

Finishing edges is a sewing technique in which fabric edges are protected from fraying using zigzag stitches.

https://www.bernette.com/zigzag-foot

# 8 Care and maintenance



## 8.1 Safety Instructions for Cleaning and Maintenance

### Damage to property caused by unsuitable cleaning agents

Alcohol, white spirits, abrasive cleaners, or other harsh cleaning agents can damage the surfaces of the machine.

- ► Clean the surfaces of the machine only with a soft microfiber cloth that has been lightly dampened with water.

### Damage by cleaning with Compressed Air

Compressed air or pump spray can permanently block the hook area with dust, fabric and thread remnants.

- ► Remove dirt with a vacuum cleaner fitted with a soft attachment.

## 8.2 Software

### Update Firmware

Settings ► Machine ► Machine Data

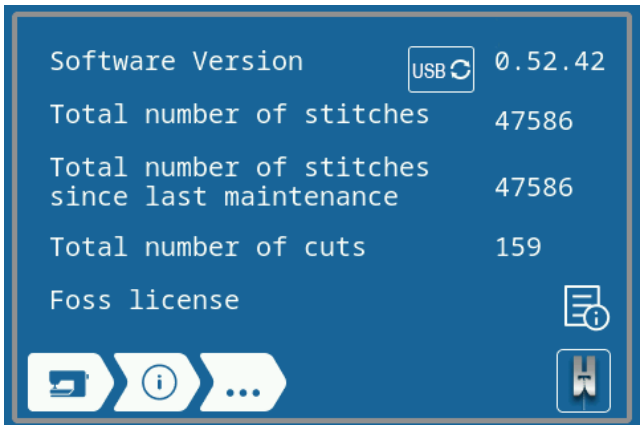
You can use the **Update Firmware** function to install the latest version of the firmware on your machine.

You can update the current firmware of the machine and download detailed step-by-step instructions for the update process at bernette.com/support.

Prerequisite:

- The latest firmware data has been downloaded and copied to the USB stick according to the update instructions.

1. Insert the USB stick with the current firmware data.
2. Tap the **Update Firmware** icon.




⇨ The firmware update is installed.

### Reset Settings

Settings ► Machine ► Factory Setting ► Reset Settings

With the **Reset Settings** function, you can reset all settings to the factory settings.

## 8.3 Machine

### Maintenance Intervals

To ensure that your machine remains in perfect working order for many years to come, bernette recommends regular maintenance and care of your machine.

The maintenance intervals depend largely on the following factors:

- Frequency of machine use
- Nature of the fabric used
- Number of stitches
- Nature of the thread used

bernette recommends maintaining the machine after every 3 – 4 full bobbins have been sewn.

# 8 Care and maintenance



| Task | Maintenance Interval | Measures |
|---|---|---|
| Cleaning the Machine | Regularly, depending on usage of the machine. | ► Wipe down the surface of the machine and screen with a soft, slightly damp microfiber cloth. |
| Checking the Machine | Regularly, depending on usage of the machine. | **1.** Check the machine for external damage.<br>**2.** In case of damage, contact your BERNINA dealer. |
| Oiling the Needle Bar | ■ If the machine is used frequently, every 6 months.<br>■ After a longer downtime of the machine.<br>■ If unusual noises are heard in the area around the needle bar. | ► Oil the needle bar. [▸ see page 44] |
| Cleaning and Oiling the Bobbin Case | Regularly, depending on usage of the machine. | ► Clean and oil the bobbin case. [▸ see page 45] |
| Cleaning the Needle Threader and Thread Clamp | Regularly, depending on usage of the machine. | ► Clean the needle threader. [▸ see page 44] |
| Replacing the Needle | Regularly, depending on usage of the machine. | ► Replace the needle. [▸ see page 16] |
| Update Firmware | As soon as a new version is available. | ► Update the Firmware. [▸ see page 42] |
| Adjusting, Cleaning and Lubricating the Machine Components inside the Machine | ■ With intensive use: annually<br>■ For normal use: every two years | ► Contact your BERNINA dealer. |
| Maintenance of the machine components inside the machine. | ■ If the relevant message is displayed. | ► Contact your BERNINA dealer. |

## Maintenance Information

Settings ► Machine ► Machine Data v1.0

### Number of Stitches

The notification **Total Number of Stitches** shows the number of stitches sewn with the machine.

### Number of Thread Cuts / Next Cleaning

The display **Total number of cut cycles since cleaning** shows the number of thread cuts that the machine has performed.

## Cleaning the Screen

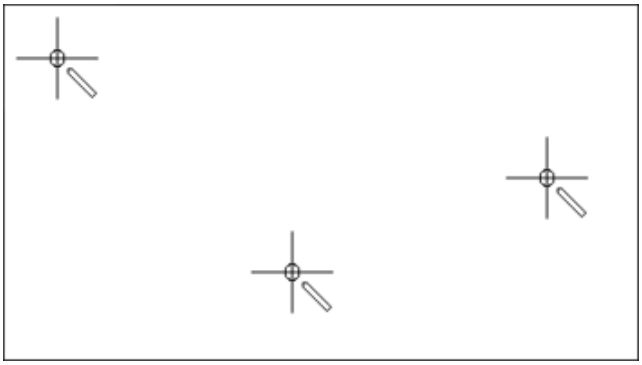
**1.** Lock the screen.
**2.** Wipe down the screen with a soft, slightly damp microfiber cloth.

## Calibrating the Screen

**Calibrating the Screen**
Settings ▸ Machine ▸ Calibrating the Screen

With the **Calibrating the Screen** function, you can calibrate the screen if it no longer responds properly to touch. Calibration ensures that the screen responds precisely to inputs.

► Tap the crosses displayed on the screen with the touchscreen pen.



## Cleaning the Needle Threader and Thread Clamp

Lint can accumulate on the needle threader and prevent proper performance. It is recommended to clean the threader head regularly.

► Clean the threader and the thread clamp with a brush.

## Oiling the Needle Bar

The needle bar may not move smoothly without lubrication.

1. Switch the machine off.

**⚠ CAUTION**

**Electronically driven components**
Risk of injury near the needle bar.
► Switch off the machine and disconnect it from the power supply.

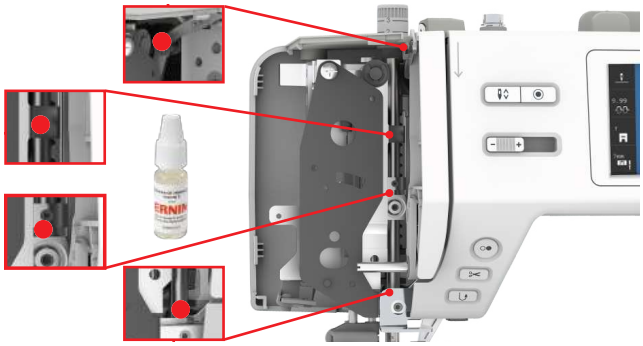
2. Remove the protective cap and the screw.




3. Remove the head cover.
   ⇨ After removing the head cover, be aware of the moving parts.




4. Apply a drop of oil to the movement mechanism of the needle bar, including the connecting rod/ needle bar, the needle bar holder and needle bar support (apply oil to the points marked with an arrow).



5. Remove the presser foot.
6. Turn the handwheel a few times and remove any excess oil with a cloth.
7. Attach the head cover again.

# 8 Care and maintenance



## Cleaning/Oiling the Bobbin Case

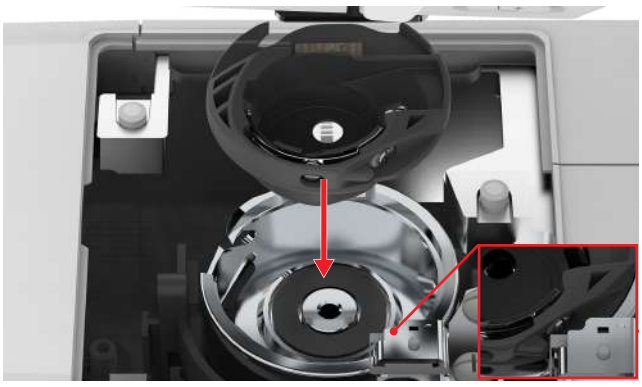
**⚠ CAUTION**

**Electronically Driven Components**
Risk of injury near the needle and the hook.
► Switch off the machine and disconnect it from the power supply.

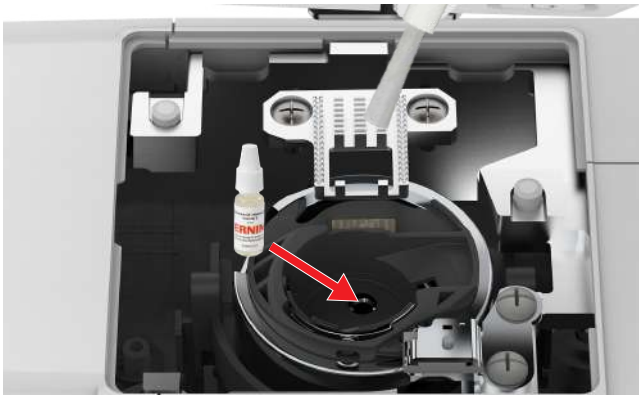
1. Remove the presser foot sole and needle. [▸ see page 22], [▸ see page 16]
2. Remove the stitch plate. [▸ see page 15]
3. Remove the bobbin from the bobbin case.
4. Clean the bobbin case and the hook with the brush.



5. Insert the bobbin case into the hook.



6. Oil the felt of the bobbin case.
7. Clean the feed dog with the brush.



8. Fit the stitch plate.
9. Fit the needle and the presser foot.

# 9 Storage and Disposal



## 9.1 Storing the Machine

bernette recommends storing the machine in its original packaging in a dry place at room temperature.

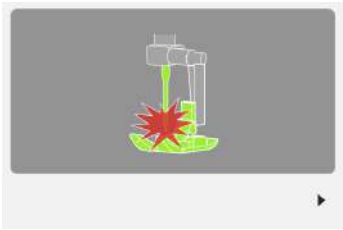
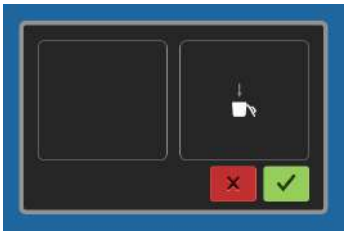
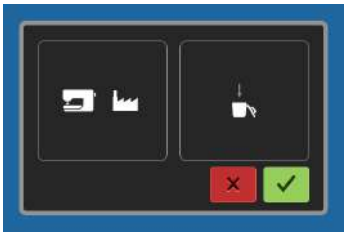
1. Switch off the machine and disconnect it from the power supply.
2. Clean the machine.
3. Don't store the machine outdoors.
4. Protect the machine against climatic influences.

## 9.2 Dispose of the machine

- Sort components by material and dispose of in accordance with the local laws and regulations.

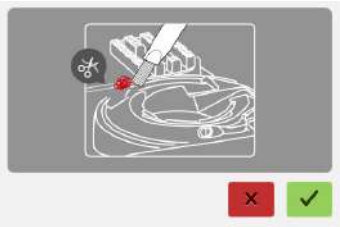
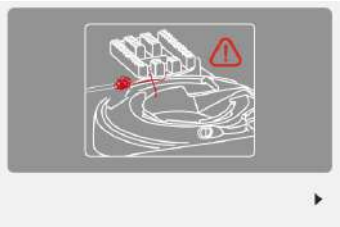
# 10 Messages



| Message | Cause | Solution |
|---|---|---|
|  | The selected needle and the presser foot cannot be used in combination. | **1.** Check whether the correct needle and the presser foot are fitted.<br>**2.** Exchange the needle and select it in the user interface.<br>**3.** Change the presser foot and select it in the user interface. |
|  | The selected needle and the stitch plate cannot be used in combination. | **1.** Check whether the correct needle and the stitch plate are fitted.<br>**2.** Exchange the needle and select it in the user interface.<br>**3.** Change the stitch plate and select it in the user interface. |
|  | The selected pattern in the folder Personal Folder will be deleted. | **1.** To delete the selected pattern, tap **Confirm**.<br>**2.** To keep the selected pattern, tap **Cancel**. |
|  | The selected pattern in the folder Personal Folder will be overwritten. | **1.** To overwrite the selected pattern, tap **Confirm**.<br>**2.** To keep the selected pattern, tap **Cancel**. |
|  | Stitch pattern selection not possible in combi mode. | ► Check the entry and enter the new number. |
|  | Files are loading. | ► Wait for the completion of the processing. |
|  | Reset Settings | **1.** To reset all settings to their factory defaults, tap **Confirm** here.<br>**2.** To keep your own settings, tap **Cancel** here. |

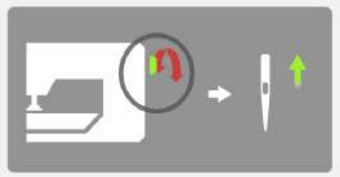
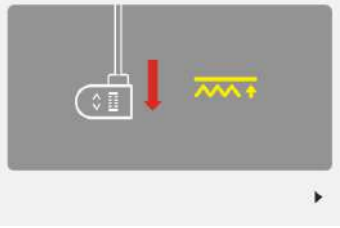
# 10 Messages



| Message | Cause | Solution |
|---|---|---|
|  | The maximum number of thread cuts 1,000 has been reached. | **1.** Tap **Confirm**.<br>**2.** Clean the thread catcher. |
|  | The automatic thread cutter does not work properly. | **1.** Tap **Confirm**.<br>**2.** Clean the thread catcher.<br>**3.** Contact your bernette dealer if the problem still occurs. |
|  | The thread indicator is deactivated. | **1.** To activate both thread indicators, tap **Confirm**.<br>**2.** To keep the thread guards deactivated, tap **Cancel**. |
|  | Firmware update successfully completed. | ► Restart the machine. |
|  | Firmware update failed. | **1.** Check the update file on the USB stick.<br>**2.** Tap **Cancel** and try starting the update again. |
|  | Firmware update is in progress. | ► Don’t switch the machine off. |

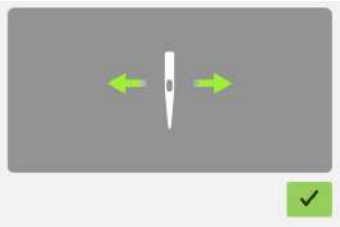
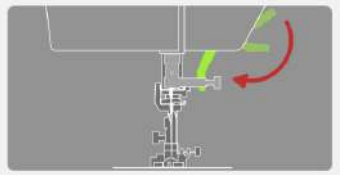
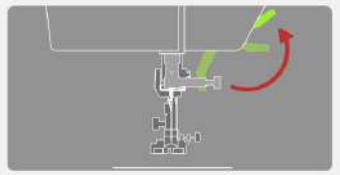
# 10 Messages



| Message | Cause | Solution |
|---|---|---|
|  | The main motor is not running. | **1.** Turn the handwheel clockwise until the needle is at its top position.<br>**2.** Remove the stitch plate.<br>**3.** Remove the thread remnants.<br>**4.** Remove the bobbin case and clean it.<br>**5.** Clean the hook. |
|  | The machine has reached a stitch count of 4,000,000 since the last maintenance by a bernette dealer. | **1.** Contact your specialized bernette dealer to have the machine maintained.<br>**2.** To receive another maintenance reminder after turning on the machine, tap **Cancel**. |
|  | 500,000 stitches have been sewn with the machine since the last cleaning advice. | **1.** Clean the machine.<br>**2.** To receive another cleaning reminder after turning on the machine, tap **Cancel**. |
|  | The buttonhole lever is not pulled down.<br>The feed dog is lowered. | **1.** Pull the buttonhole lever down as far as possible until it clicks into place behind the holder.<br>**2.** Lift the feed dog. |
|  | The needle moves upwards. | **1.** Check whether there are no other objects near the stitch plate.<br>**2.** To raise the needle, tap **Confirm**. |

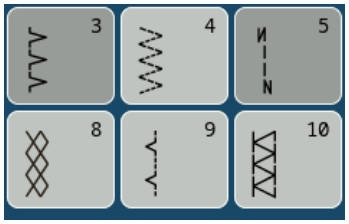
# 10 Messages



| Message | Cause | Solution |
|---|---|---|
|  | Needle moves sideways. | When the stitch plate is exchanged, this illustration appears because the needle is likely to move. |
|  | Lower the presser foot. | |
|  | Raise the presser foot. | |
|  | There is not enough free memory available on the machine. | **1.** Delete data in the folder **Personal Folder**.<br>**2.** Overwrite the data in the folder **Personal Folder**. |
|  | The upper thread is used up. | **1.** Insert a new spool.<br>**2.** Rethread. |
| | The upper thread is broken. | ► Rethread. |
|  | The bobbin winder unit is activated. | ► Deactivate the bobbin winder unit. |
| ??? | Stitch number does not exist. | ► Check the entry and enter the new number. |

# 10 Messages



| Message | Cause | Solution |
|---|---|---|
|  | The stitch cannot be used in combi mode. | ► Select other stitches. |
|  | The bobbin thread is used up. | ► Remove the empty bobbin, fill it on the winder unit and thread it. |

# 11 Troubleshooting



| | |
|---|---|
| **The screen does not respond** | |
| Incorrect calibration data. | ► Recalibrate the screen [▸ see page 44]<br>► If the calibration cannot be selected in the Setup Program, switch the machine on again while simultaneously pushing and holding the buttons **Needle Position Left/Right** . |
| Lock mode switched on. | ► Tap the **Lock** icon. |
| Screen is defective or not connected correctly. | ► Contact your BERNINA dealer. |
| Wrong touchscreen pen. | ► Use other touchscreen pen or finger. |
| **Error during firmware update** | |
| USB stick is incompatible. | ► Use a BERNINA USB stick or compatible USB stick. |
| USB stick not with correct file system. | ► Use a USB stick with the FAT32 file system. |
| The update process is blocked and the animation on the screen is inactive. | ► Remove the USB stick.<br>► Switch the machine off.<br>► Insert the USB stick.<br>► Turn on the machine while holding down the buttons **Quick Reverse** and **Needle Position Up/Down** at the same time.<br>⇨ The update starts automatically. |
| The files of the firmware update are not found. | ► Unpack the compressed ZIP file according to the update instructions.<br>► Store data for the firmware update directly on the data medium and not in a folder on the USB stick. |
| **Skipped Stitches** | |
| Incorrect needle. | ► Use the needle system 130/705H. |
| The needle is blunt or bent. | ► Replace the needle. |
| Poor quality needle. | ► Use a new BERNINA quality needle. |
| The needle is incorrectly inserted. | ► Insert the needle with the flat side to the back as far up as it will go into the needle holder and tighten the screw. |
| Incorrect needle point. | ► Match the needle point with the textile structure of the project. |

# 11 Troubleshooting



| | |
|---|---|
| **Skipped Stitches** | |
| Incorrect needle/thread combination. | ► Use a needle with a suitable needle size. [▸ see page 16] |
| **Speed too Low** | |
| Room temperature is too warm or too cold. | ► Place the machine in a warm room one hour before use. |
| Reduced maximum speed. | ► Move the speed control to the right.<br>► Modify the maximum sewing speed in the Settings. [▸ see page 26] |
| **The Machine doesn't Start** | |
| The machine is not connected to the power supply. | ► Insert the mains plug into the socket and into the machine. Make sure that the plug is fully inserted into the machine.<br>► Check the socket for power. |
| Room temperature is too warm or too cold. | ► Place the machine in a warm room one hour before use.<br>► Connect the machine and switch it on. |
| The machine is damaged. | ► Contact your BERNINA dealer. |
| **Needle Breaks** | |
| The needle is incorrectly inserted. | ► Insert the needle with the flat side to the back as far up as it will go into the needle holder and tighten the screw. |
| The fabric has been pulled. | ► Feed the fabric evenly. |
| Thick fabric has been pushed. | ► Use a presser foot that is suitable for thick fabric.<br>► Use the height compensation tool when sewing over thick seams. |
| Knotted thread. | ► Use quality thread. |
| **Needle Threader Not Threading** | |
| The needle selected in the needle selection cannot be automatically threaded, e.g. twin needle. | ► Single Needle: Select the needle in the needle selection to match the attached needle. [▸ see page 16]<br>► Double and triple needles: Thread the needle by hand. |
| Automatic threading is not possible with the selected presser foot. | ► Attach the appropriate presser foot and select it in the presser foot selection. [▸ see page 22] |

# 11 Troubleshooting



| | |
|---|---|
| **Needle Threader Not Threading** | |
| The needle is bent. | ► Replace the needle, make sure that a new BERNINA quality needle is used. [▸ see page 16] |
| The needle is incorrectly inserted. | ► Insert the needle with the flat side to the back as far up as it will go into the needle holder and tighten the screw. [▸ see page 16] |
| The needle threader is dirty. | ► Clean the needle threader. [▸ see page 44] |
| The threader mechanism is not in the correct position. | ► Check the position of the threader mechanism.<br>► If the needle threader is at the front, turn the needle threader slightly to the left until it is perpendicular to the machine head. If necessary, confirm the error message. Rethread the needle.<br>► If the needle threader is not at the front, place your finger below the needle threader and gently press the needle threader upward. Rethread the needle. |
| The threader head is defective. | ► Contact your BERNINA dealer. |
| **The sewing light does not light up** | |
| The sewing light is defect. | ► Have the sewing light replaced by a specialist dealer. |
| **Faulty stitching** | |
| Thread remnants between the thread tension discs. | ► Pull a piece of thin fabric (use folded edge) through the thread tension discs several times. |
| Incorrectly threaded. | ► Rethread the upper and lower thread. |
| **Upper Thread is Not Threaded** | |
| The needle is incorrectly inserted. | ► Insert the needle with the flat side to the back as far up as it will go into the needle holder and tighten the screw. [▸ see page 16] |
| Needle or presser foot not compatible. | ► Follow the instructions for the needle threader. [▸ see page 17] |
| The threader head is defective. | ► Contact your BERNINA dealer. |
| **Upper Thread Breaks** | |
| Incorrect needle/thread combination. | ► Match the needle with the thread size. |
| Upper thread tension is too tight. | ► Reduce the upper thread tension. |

# 11 Troubleshooting



| | |
|---|---|
| **Upper Thread Breaks** | |
| Incorrectly threaded. | ► Rethread the upper thread. |
| Poor quality thread. | ► Use quality thread. |
| Damaged presser foot. | ► Change the presser foot. |
| The stitch hole in the stitch plate or the hook tip is damaged. | ► Contact your BERNINA dealer to have the damages repaired.<br>► Change the stitch plate. |
| The thread is caught in the area of the thread take-up lever. | ► Remove the screw cover and the screw on the head cover.<br><br>► Pull the head cover at the bottom slightly forward.<br>► Tilt the head cover upward slightly to remove the head cover.<br>► Remove the thread remnants.<br>► Attach the head cover and tighten the screw. |
| Needle damaged. | ► Replace the needle. |
| **Upper thread indicator fails to respond** | |
| The upper thread indicator is not switched on. | ► Switch on the upper thread indicator in the Settings. [▸ see page 25] |
| The upper thread indicator is defective. | ► Contact your BERNINA dealer. |
| **Upper thread indicator reacts too frequently** | |
| Upper thread not threaded correctly. | ► Thread the upper thread correctly. [▸ see page 17] |
| Upper thread tension too low. | ► Adjust the upper thread tension. [▸ see page 27] |
| The upper thread indicator is defective. | ► Contact your BERNINA dealer. |
| **Stitch plate not detected** | |
| Stitch Plate without sensor. | ► Attach Stitch Plate with sensor. |

# 11 Troubleshooting



| | |
|---|---|
| **Stitch plate not detected** | |
| Disturbance due to magnetic field. | ► Remove magnetic accessories in the area of the stitch plate. |
| Sensor on the stitch plate defective. | ► Contact your BERNINA dealer. |
| **Uneven Stitch Formation** | |
| Upper thread too tight or too loose. | ► Adjust the upper thread tension. [▸ see page 27]<br>► Check the thread feed from the thread spool. |
| The needle is blunt or bent. | ► Replace the needle, make sure that a new BERNINA quality needle is used. [▸ see page 16] |
| Poor quality needle. | ► Use a new BERNINA quality needle. |
| Poor quality thread. | ► Use quality thread. |
| Incorrect needle/thread combination. | ► Match the needle with the thread size. |
| Incorrectly threaded. | ► Rethread the upper thread. [▸ see page 17]<br>► Rethread the bobbin thread. [▸ see page 21] |
| The fabric has been pulled. | ► Feed the fabric evenly. |
| Incorrect bobbin case is used. | ► Use supplied bobbin case. |
| Lower thread too tight or too loose. | ► Contact your BERNINA dealer. |
| Dust or thread remnants under the tension spring of the bobbin case | ► Remove dust and thread remnants. |
| **Lower thread breaks** | |
| The bobbin case is damaged. | ► Replace the bobbin case. |
| The stitch hole in the stitch plate is damaged. | ► Contact your BERNINA dealer to have the damages repaired.<br>► Replace the stitch plate. [▸ see page 15] |
| The needle is blunt or bent. | ► Replace the needle. [▸ see page 16] |
| **Bobbin thread Indicator doesn't react as expected** | |
| The bobbin thread indicator is not switched on. | ► Switch on the bobbin thread indicator in the Settings. [▸ see page 25] |
| The bobbin thread indicator is defective. | ► Contact your BERNINA dealer. |

# 11 Troubleshooting



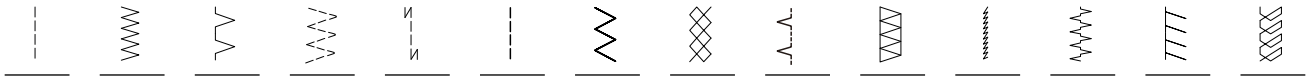
| USB Stick is not detected | |
|---|---|
| USB stick is incompatible. | ► Use a BERNINA USB stick or compatible USB stick. |
| USB stick not with correct file system. | ► Use a USB stick with the FAT32 file system. |

# 12 Stitch Patterns

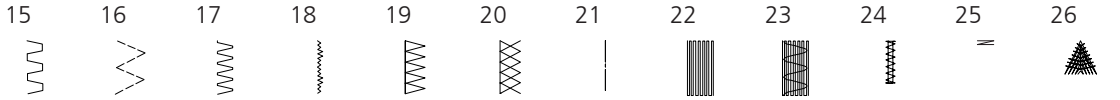


## 12.1 Practical Stitches

1 2 3 4 5 6 7 8 9 10 11 12 13 14



15 16 17 18 19 20 21 22 23 24 25 26



## 12.2 Decorative Stitches

### Nature

101 102 103 104 105 106 107 108 109 110 111 127 128



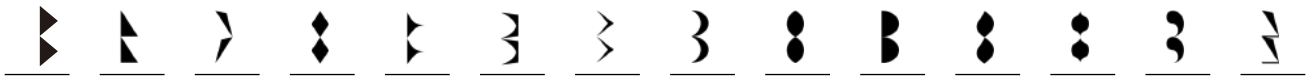
### Cross Stitches

301 302 303 304 305 306 307 308 309 310 316



### Satin

401 402 403 404 405 406 407 408 409 410 411 412 413 414

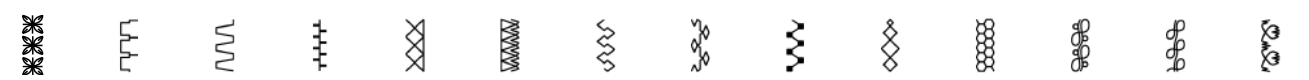


415 416 417 418 419 420 421 422 423 424 425

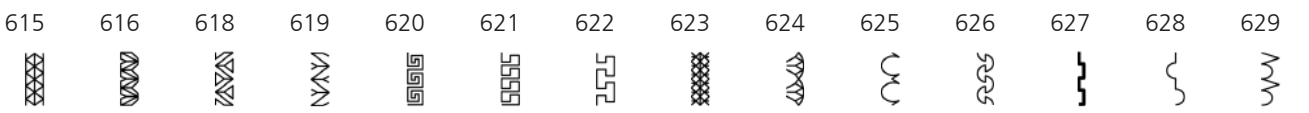


### Geometric

601 602 603 604 605 606 607 608 609 610 611 612 613 614



615 616 618 619 620 621 622 623 624 625 626 627 628 629



# 12 Stitch Patterns

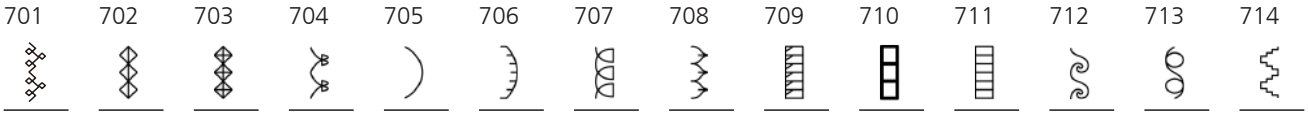


630 631 632 633 634 635 636 637 638 639 643 644 645



## Heirloom

701 702 703 704 705 706 707 708 709 710 711 712 713 714

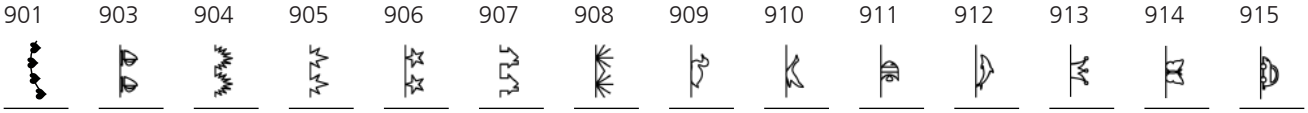


715 716 717

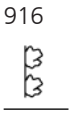


## Children

901 903 904 905 906 907 908 909 910 911 912 913 914 915



916



## Filigree Sideways Motion

1201 1202 1203



## Seasons

2001 2002 2003 2004 2005 2006 2007



# 12 Stitch Patterns



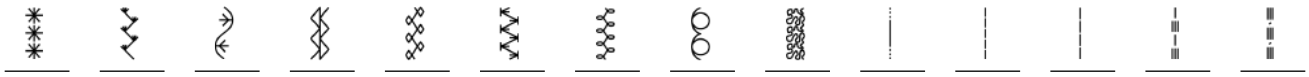
## 12.3 Buttonholes

51 53 54 55 56 57 58 59 60 61 62 64 71



## 12.4 Quilt Stitches

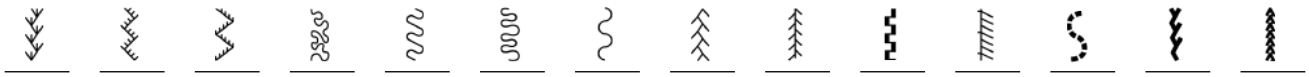
1301 1302 1303 1305 1306 1307 1308 1309 1310 1311 1312 1313 1314 1315



1316 1317 1318 1319 1320 1321 1322 1323 1324 1325 1326 1327 1328 1329



1330 1331 1332 1333 1334 1335 1336 1337 1338 1339 1340 1341 1342 1343



1345 1346 1347 1348 1349 1350 1351



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