

bernette 79
Harry Potter
with exclusive
embroidery
motifs



User Manual

Harry Potter × **bernette**

SWISS DESIGN

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IMPORTANT SAFETY INSTRUCTIONS

Please be aware of the following basic safety instructions when using your machine. Carefully read the instruction manual for the machine before using.

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 outdoor.
- 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 clinical 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 bernette dealer.
- 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.
- 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.

IMPORTANT SAFETY INSTRUCTIONS

- 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 this 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 dealer.
- Only use this machine with the supplied foot control of type FC-210.
- Never insert any objects into any 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

General Information

Availability of the Instruction Manual

The short manual is part of the machine.

The latest version of the detailed instruction manual is available at www.bernette.com/b79#!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 shown in the images and the accessories shown therefore do not always match the actual items included with your machine. The supplied accessory can vary depending on the country of delivery. You can acquire any accessories mentioned or shown that are not included in the scope of delivery as optional accessories from a specialist bernette dealer. Further accessories can be found at www.bernette.com.

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 technology of manufacturing.



The machine is labeled with the symbol of the crossed-out wastebasket. 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 waste electrical and electronic equipment or to a collection point for the reuse of the machine. Information on the 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



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



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



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



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

1 My bernette






1.1 Overview Machine



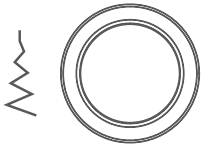
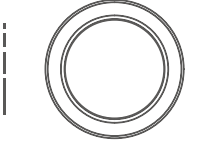
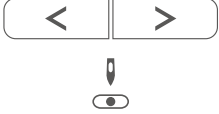
Overview Front Controls



- | | | | |
|---|----------------------|----|---------------------------|
| 1 | Quick Reverse | 6 | Securing |
| 2 | Thread Cutter | 7 | Needle Up/Down |
| 3 | Presser Foot Up/Down | 8 | Upper Multi-function Knob |
| 4 | Start/Stop | 9 | Lower Multi-function Knob |
| 5 | Speed Control | 10 | Needle Left/Right |

Controls

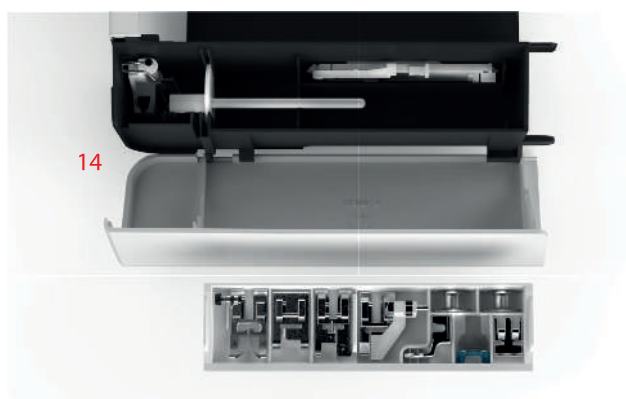
| Number | Operating Component | Name | Purpose |
|--------|---|----------------------|--|
| 1 |  | Quick Reverse | <ul style="list-style-type: none"> > To sew backward, press the «Quick Reverse» button. > To sew backward permanently, keep the «Quick Reverse» button pressed. <p>The «Quick Reverse» button does not work for stitch patterns 22–24 and for buttonhole patterns 51–71.</p> |
| 2 |  | Thread Cutter | <ul style="list-style-type: none"> > To cut the upper thread and the lower thread automatically, press the «Thread Cutter» button. <p>2-6 securing stitches can be programmed in the Setup Program. They are sewn before the thread is cut.</p> |
| 3 |  | Presser Foot Up/Down | <ul style="list-style-type: none"> > Press the «Presser Foot Up/Down» button to raise the presser foot into a hover position. > To lift the presser foot, press the button «Presser Foot Up/Down». |
| 4 |  | Start/Stop | <p>The button «Start/Stop» serves the purpose to change the presser foot position and to start the machine.</p> <ul style="list-style-type: none"> > To start the machine, keep the button «Start/Stop» pressed for 2 seconds. <p>Sewing Mode</p> <ul style="list-style-type: none"> > Press the button «Presser Foot Up/Down» to raise the presser foot into hover position. <p>Embroidery Mode</p> <ul style="list-style-type: none"> > Briefly press the «Start/Stop» button to raise the presser foot into its highest position in embroidery mode. > Press the «Start/Stop» button again to raise the presser foot into hover position. |
| 5 |  | Speed Control | <p>The sewing speed can be adjusted infinitely variable with the slide.</p> <ul style="list-style-type: none"> > Move the slide to the left to reduce the sewing speed. > Move the slide to the right to increase the sewing speed. |

| Number | Operating Component | Name | Purpose |
|--------|---|---------------------------|---|
| 6 |  | Securing | <p>The function «Securing at Sewing Start» is activated in the Setup by default and can be deactivated by pressing the button «Securing».</p> <p>When the function «Securing at Sewing Start» is not activated in the Setup, it can be programmed by pressing the button «Securing».</p> <p>A securing icon which appears on the display during sewing indicates that the function is activated.</p> <p>The number of securing stitches can be programmed in the Setup Program.</p> <ul style="list-style-type: none"> > To sew the securing stitches first, press the button «Securing» before you start sewing. > To sew the securing stitches at the pattern end, press the button «Securing» while sewing. > To sew securing stitches within a stitch pattern combination, press the button «Securing». <ul style="list-style-type: none"> – The selected pattern of the combination is secured according to the setting. |
| 7 |  | Needle Up/Down | <ul style="list-style-type: none"> > Press the button «Needle Up/Down» to lower the needle. > Press the button «Needle Up/Down» again to raise the needle. |
| 8 |  | Upper Multi-function Knob | With the «Upper Multi-function Knob» setting values can be changed in the sewing, the embroidering and the Setup Program. |
| 9 |  | Lower Multi-function Knob | With the «Lower Multi-function Knob» setting values can be changed in the sewing, the embroidering and the Setup Program. |
| 10 |  | Needle Left/Right | <p>There is a total of 15 needle positions. The needle position is indicated by the needle position number in the display.</p> <ul style="list-style-type: none"> > Press the «Needle Left» button to move the needle to the left. > Press the «Needle Right» button to move the needle to the right. |

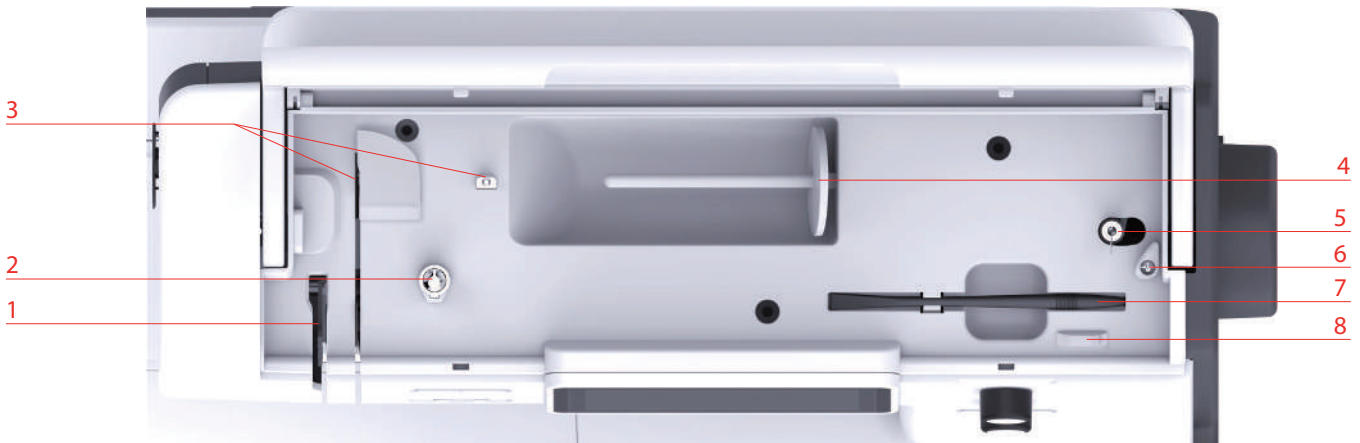
Overview - Front



- | | | | |
|---|----------------------------------|----|---------------------------------|
| 1 | Feed Dog Lever | 8 | Buttonhole Lever |
| 2 | Connection for Embroidery Module | 9 | Thread Cutter |
| 3 | Bobbin Cover | 10 | Thread Take-up Lever |
| 4 | Stitch Plate | 11 | Top Cover |
| 5 | Presser Foot | 12 | LCD Display |
| 6 | Sewing Light | 13 | Connection for Free Hand System |
| 7 | Needle Threader | 14 | Sewing Table and Accessory Box |



Overview Top



- | | | | |
|---|--------------------------|---|--|
| 1 | Thread Take-up Lever | 5 | Winding Unit and Holder for Second Spool Pin |
| 2 | Bobbin Winder Pretension | 6 | Stopper Winding Unit |
| 3 | Thread Guide | 7 | Touchscreen Pen |
| 4 | Spool Pin | 8 | Thread Cutter |

Overview - Back Panel



- | | | | |
|---|-----------------------------|----|--------------------------------|
| 1 | Connection for Power Cable | 6 | Handwheel |
| 2 | Air Vents | 7 | Carrying Handle |
| 3 | Connection for Foot Control | 8 | Air Vents |
| 4 | USB Port | 9 | Dual Feed |
| 5 | Power Switch | 10 | Sewing Table and Accessory Box |

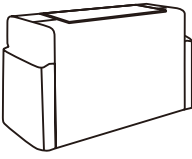
1.2 Accessory

Supplied Accessories


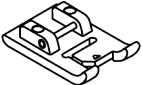
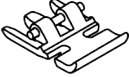
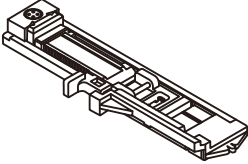
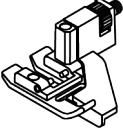
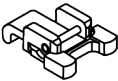

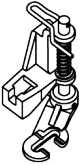
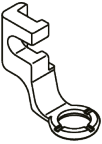
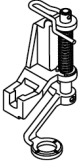
Visit www.bernette.com/accessories for more accessory information.



| Illustration | Name | Illustration | Name |
|--------------|---|--------------|---------------------------------|
| | Class 15 Plastic Bobbins (3x) | | Felt Disc |
| | Spool Net | | Second Spool Pin |
| | Needle Assortment (2x) | | Touchscreen Pen |
| | Brush and Seam Ripper | | Seam Guide |
| | Spool Cap Large | | Screwdriver |
| | Spool Cap Medium | | High Thread Tension Bobbin Case |
| | Spool Cap Small (2x) | | Power Cable |
| | Straight/CutWork Stitch Plate | | Foot Control |
| | Embroidery Hoop Large, 160 x 260 mm with Embroidery Template | | Knee Lifter |
| | Embroidery Hoop Medium, 120 x 180 mm with Embroidery Template | | Lubricator |
| | Embroidery Hoop Small, 50 x 70 mm with Embroidery Template | | Slide-on Table |

| Illustration | Name | Illustration | Name |
|---|------------|--------------|------|
|  | Dust Cover | | |

Overview Presser Feet

| Illustration | Name | Purpose |
|---|----------------------------------|---|
|  | Zigzag Foot (DA) | For sewing different practical, decorative stitches and hems with Dual Feed. |
|  | Embroidery Foot (JK) | For sewing satin stitches, applications and decorative patterns. |
|  | Zipper Foot (JB) | For sewing with Dual Feed. For sewing in the zipper. |
|  | Buttonhole Foot with Slide (RJ) | For sewing buttonholes. |
|  | Blindstitch Foot (DM) | For sewing blind-stitch hems with Dual Feed. |
|  | Button Sew-On Foot (RC) | For sewing on buttons. |
|  | Overlock Foot (DI) | For sewing with Dual Feed. For sewing overlock stitches over the fabric edge. |
|  | Free-motion Embroidery Foot (RX) | For embroidering, darning and freehand quilting. |
|  | Embroidery Foot (JL) | For embroidering, darning and freehand quilting. |
|  | Hopper Embroidery Foot (JX) | For embroidering, darning and freehand quilting. |

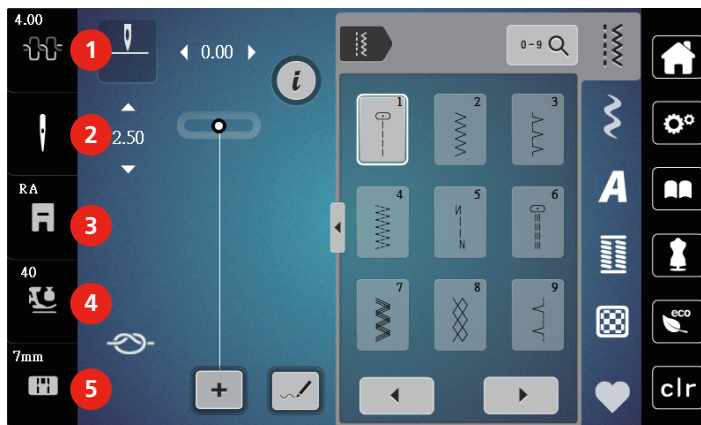
1.3 Overview User Interface

Overview System Settings













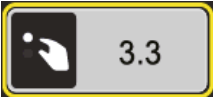
- | | | | |
|---|---------------|---|-------------------------|
| 1 | Home | 4 | Creative Consultant |
| 2 | Setup Program | 5 | eco Mode |
| 3 | Tutorial | 6 | Back to Default Setting |

Overview Functions/Visual Information



- | | | | |
|---|---|---|------------------------|
| 1 | Upper Thread Tension | 4 | Foot Pressure |
| 2 | Needle Selection | 5 | Stitch Plate Selection |
| 3 | Presser Foot Indicator/Presser Foot Selection | | |

Overview Functions and Views

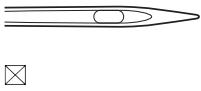
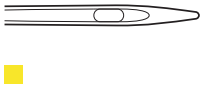
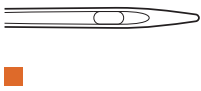
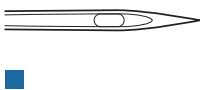
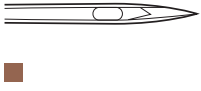
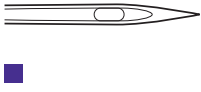
| Illustration | Name | Purpose |
|---|--------------------|--|
|  | Close | The display is closed and the previously made adjustments are saved. |
|  | «Plus» / «Minus» | Change setting values. |
|  | Confirm | Confirms the previously adjusted alterations. The display is closed. |
|  | Cancel | The process is canceled. The display is closed and the previously made adjustments are not saved. |
|  | Slide | By moving the slide the setting values are changed. |
|  | Switch | Activates or deactivates functions. |
|  | Process Navigation | With the process navigation, you can return from any display to the previous the display. |
|  | Machine | To load or save motifs on the machine. |
|  | USB Stick | To load or save embroidery designs on the USB stick. |
|  | USB Storage Space | The percentage of used USB storage (%) will be displayed in the green bar icon. |
| | Swipe Function | By swiping the display using the touchscreen pen or the finger upwards or downwards, further functions can be displayed. |
|  | Yellow-framed Icon | Tap the yellow-framed icon to reset the changes to the default setting. |










1.4 Needle, Thread, Fabric



In the course of time a needle wears out. Therefore, the needle should be replaced regularly. Only a perfect point results in a good stitching result. In general, the thinner the fabric, the finer the needle. The illustrated needles are either standard or optional accessory, depending on the machine.

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

Overview Needles

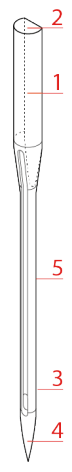
| Illustration | Needle Name | Needle Description | Purpose |
|---|---|--------------------------------|--|
|  | Universal Needle 130/705 H 70-110 | With a slightly rounded point. | For woven fabrics (light, medium, heavy-weight), knitwear, leather, vinyl, jeans/denim. For natural and synthetic fabrics. |
|  | Stretch Needle 130/705 H-S 75/11 – 90/14 | With a medium ball point. | For knitwear (jersey, tricot, knit and stretch material). For general sewing, sewing on buttons and buttonholes, zippers, hems and topstitching, decorative sewing, embroidery. |
|  | Jersey/Embroidery Needle 130/705 H SUK 80/12 | With a medium ball point. | For woven fabrics (light, medium, heavy-weight), knitwear, vinyl. For general sewing, sewing on buttons and buttonholes, zippers, hems and topstitching, decorative sewing, embroidery. |
|  | Jeans Needle 130/705 H-J 80/12 – 110/18 | With a slim sharp point. | Woven fabrics (light, medium, heavy-weight), leather, jeans/denim. For general sewing, sewing on buttons and buttonholes, zippers, hems and topstitching, decorative sewing, embroidery, patchwork, quilting. |
|  | Leather Needle 130/705 H LR 90/14, 100/16 | With cutting tip. | For leather, imitation leather and similar materials. For zippers, hems and topstitching, materials that tend to stick. |
|  | Microtex Needle 130/705 H-M 70/10 - 110/18 | With a very slim sharp point. | For woven fabrics (light, medium, heavy), plastics, materials that are difficult to glide such as silk, microfiber fabrics, vinyl, coated materials. For general sewing, sewing on buttons and buttonholes, zips, hems and topstitching and decorative sewing. For straight stitches when topstitching edges. |

| Illustration | Needle Name | Needle Description | Purpose |
|--|--|--|---|
|  ■ | Quilting Needle 130/705 H-Q 75/11 – 90/14 | With a very slim, slightly rounded point. | For woven fabrics (light, medium and heavy-weight). Decorative sewing, patchwork, quilting. For stitching/topstitching tasks, such as quilting and patchwork. |
|  ■ | Embroidery Needle 130/705 H-E 75/11 – 90/14 | With a light ball point and a particularly wide eye and wide groove. | For woven fabrics (light, medium, heavy-weight), knitwear. For thicker threads. For general sewing, sewing on buttons and buttonholes, zippers, hems and topstitching, decorative sewing, embroidery. |
|  ☒ | Fine Fabrics Needle 130/705 H SES 70/10 – 90/14 | With a light ball point. | For fine, delicate materials, such as velvet. For general sewing, sewing on buttons and buttonholes, zippers, hems and topstitching, decorative sewing, embroidery, patchwork, quilting. |
|  ■ | Metafil Needle 130/705 H METAFIL 80/12 | With medium ball point and long eye (2 mm). | For woven fabrics (light, medium, heavy-weight), knitwear. For sewing with special effects and fancy threads, especially metallic threads. For embroidery with metallic thread. For hems and topstitching, decorative sewing and embroidery. |
|  ■ | Topstitch Needle 130/705 H-N 80/12 – 100/16 | With medium ball point and long eye (2 mm). | For woven fabrics (light, medium and heavy-weight). For hems and topstitching, decorative sewing and embroidery. For decorative and quilting work with several sewing threads and also for embroidery. |
|  ☒ | Hemstitch Needle 130/705 H-M WING 100-110 | With a very slim sharp point. | For woven fabrics (light, medium and heavy-weight). For special effects in decorative sewing and embroidery with hemstitching. |
|  ☒ | Universal Twin Needle 130/705 H ZWI 70-100 | Needle distance: 1.0/ 1.6/ 2.0/ 2.5/ 3.0/ 4.0/ 6.0/ 8.0 | For visible hems in stretch fabrics, pintucks, decorative sewing. |
|  ☒ | Stretch Twin Needle 130/705 H-S ZWI 75 | Needle distance: 2.5/ 4.0 | For visible hems in stretch fabrics, pintucks, decorative sewing. |
|  ☒ | Hemstitch Twin Needle 130/705 H ZWIHO 100 | Needle distance: 2.5 | For special effects with hemstitch embroidery. |

| Illustration | Needle Name | Needle Description | Purpose |
|--|---|----------------------|---|
|   | Universal Triple Needle 130/705 H DRI 80 | Needle distance: 3.0 | To create a triple quilting row effect or for decorative effects. |

Example for Needle Description

The 130/705 system, which is the most common for household machines, is explained by the following picture of a Jersey/Stretch needle.

| | |
|--|---|
|  | <p>130/705 H-S/70</p> <p>130 = Shank length (1)</p> <p>705 = Flat shank (2)</p> <p>H = Needle scarf (3)</p> <p>S = Needle point (here medium ball point) (4)</p> <p>70 = Needle size 0.7 mm (5)</p> |
|--|---|

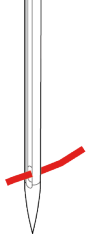
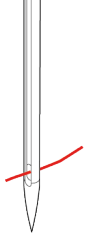
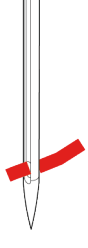
Thread Selection

For a perfect sewing result, thread and fabric quality play an important role.

We recommend purchasing quality threads to achieve good sewing results.

- Cotton threads have the advantage of being a natural fiber and therefore are especially suitable for sewing cotton fabrics.
- 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 threads are made of natural fibers and have a brilliant sheen.
- Rayon threads are suitable for decorative stitches and create a more beautiful effect.

Needle/Thread Combination

| | |
|--|--|
|  | <p>The needle/thread combination is correct, when the thread fits perfectly into the long groove and goes easily through the needle eye. The thread can be optimally sewn.</p> |
|  | <p>The thread can break and skipped stitches can occur when there is too much clearance in the long groove and the needle eye.</p> |
|  | <p>The thread can break and get stuck when the thread scrapes against the edge of the long groove not fit well into the needle eye optimally.</p> |

2 Sewing Preparation

2.1 Connection and Switching On

Connecting the Machine

To ensure safe operation of the machine, only the supplied mains cable may be used. The supplied power cable is designed for the voltage range applicable in the country of use. If the machine is to be used in a country other than the country of origin, the power cable suitable for that country must be obtained from the authorized bernette dealer.

The power cable for the USA and Canada has a polarized power plug (one contact is wider than the other). To reduce the risk of an electric shock, the plug can only be inserted into the socket in one way. If the power plug does not fit in the socket, reverse then insert the power plug. If the reversed power plug still does not fit, an electrician must install an appropriate socket. Do not modify the power plug in any way.

- > Insert the device connector of the power cable into the machine's power cable connection.



- > Insert the power plug of the power cable into the socket.

Connecting the Foot Control

- > Roll out the connection cable on the underside of the foot control to the desired length.



- > Plug in the plug of the connection cable on the machine.



- > Place the foot control under the table.

Attaching the Knee Lifter of the Free Hand System

The presser foot may be raised and lowered with the Free Hand System. The Knee Lifter is extremely helpful when sewing appliqué, patchwork and quilting since it allows you to handle the fabric while your knee controls the presser foot.

- > Insert the knee lifter into the opening at the front side of the machine.



- > Adjust the sitting height so that the Knee Lifter can be operated with the knee.

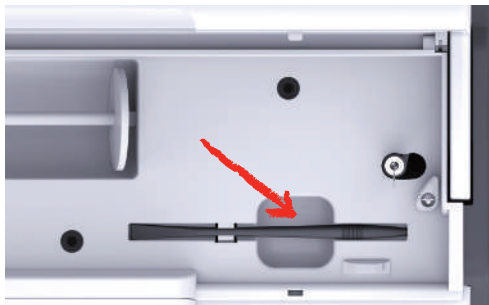
Switching the Machine On

- > Set the power switch to «I».



Fixing the Touch Screen Pen

- > Store the touchscreen pen on the top holder.



Regulating the Speed via the Foot Control

The sewing speed can be continuously varied up to the maximum possible speed via the foot control.



- > Press the foot control down carefully to start the machine.
- > To sew more quickly, press the foot control further down.
- > Release the foot control to stop the machine.

Raising/Lowering the Needle

- > Sink the heel back on the foot control to raise/lower the needle.



Programming the Foot Control Individually

The foot control can be programmed individually.

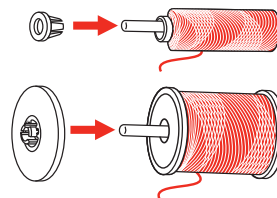
2.2 Spool Pin

Horizontal Spool Pin

Placing the Thread Spool and the Spool Cap

Spool discs hold the thread spool in place for proper release of thread from the spool.

- > Place the thread spool on the spool pin.
- > Position the appropriate spool cap on the spool pin so that there is no space between the spool cap and the thread spool.

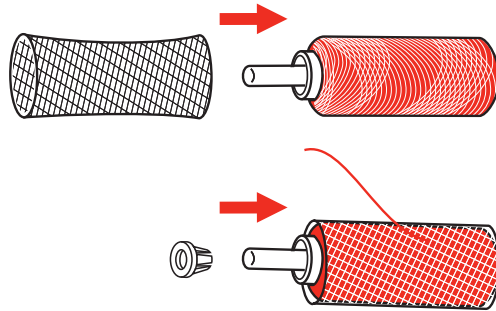


Using the Spool Net

The spool net holds the thread on the thread spool and prevents the thread from knotting and breaking.

The spool net is only used with the horizontal spool holder.

- > Pull the spool net over the thread spool. Ensure when doing so that the spool net does not slip off the thread spool, e.g. double-insert the net over the thread spools or insert a part of the net into the thread spool at the rear.

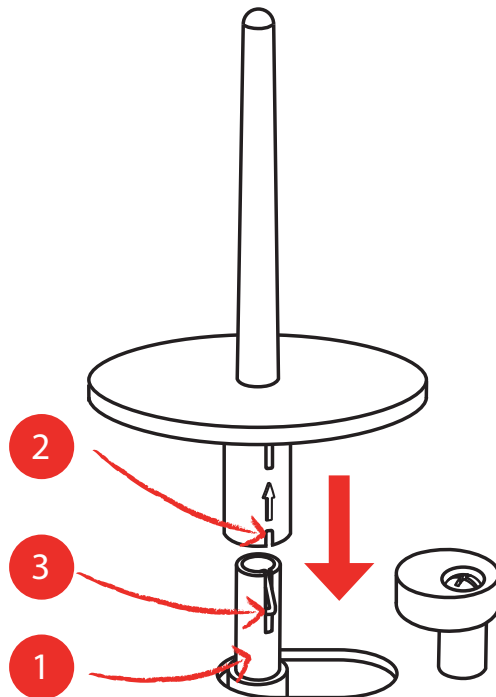


Second Spool Pin

Installing the Second Spool Pin

The second spool pin is required when sewing with several threads and can also be used for larger spools of thread.

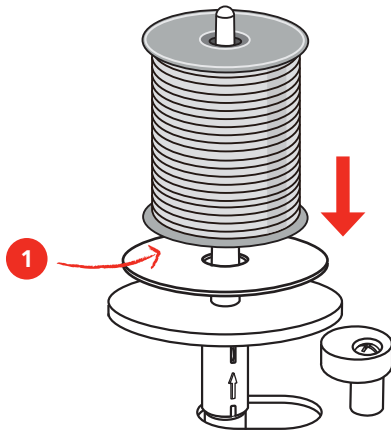
- > Insert the second spool pin onto the end of the bobbin winding unit (1).
- > Align the notch (2) with the spring (3) on the bobbin winding unit.



Inserting Thread Spool

The felt disc prevents the thread from sticking to the spool pin.

- > Place the felt disc (1) on the second spool pin.
- > Place the thread spool on the second spool pin.



2.3 Freearm

The bernette b79 has a sturdily constructed freearm. The freearm is ideal when working with tubular, closed projects such as cuffs, trouser hems or sleeve ends. More space to the right of the needles offers more comfort and flexibility when stitching large and small projects.



2.4 Sewing Table and Accessory Box

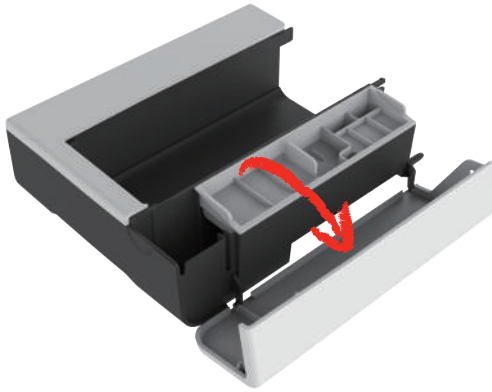
The sewing table is used as an accessory box.

- > To remove the sewing table, hold the sewing table by the handle on the left and pull in the direction of the arrow.

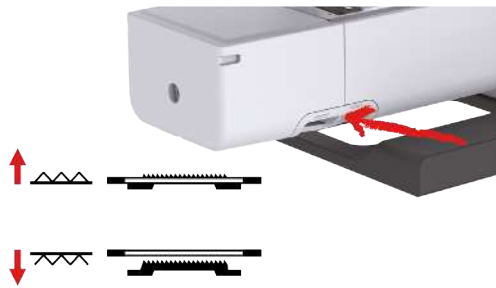


- > To open the accessory box, tilt the cover towards you.

- > To close the accessory box, tilt the cover backwards until it clicks into place.



2.5 Raising or Lowering the Feed Dog



- > To raise the feed dog, push the feed dog lever to the right.
 - The feed dog is raised when the first stitch is sewn.
- > Slide the «Feed Dog Lever» left to lower the feed dog.
 - The feed dog is lowered.

2.6 Presser Foot

Adjusting the Presser Foot Position via the Knee Lifter of the Free Hand System

- > Adjust the sitting height so that the Knee Lifter can be operated with the knee.
- > Move the Knee Lifter with the knee to the right to raise the presser foot.

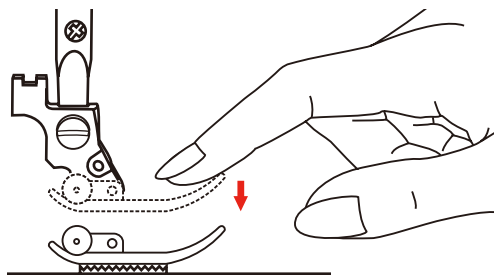


- Simultaneously the thread tension is released.
- > To lower the presser foot, slowly release the knee lever.

Changing the Presser Foot

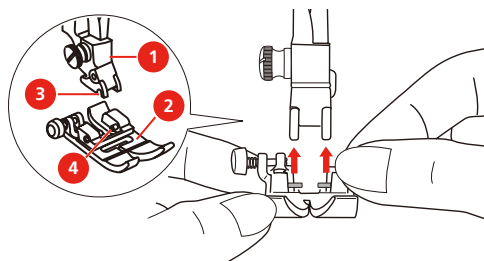
Removing the Presser Foot Sole

- > Raise the presser foot.
- > With the finger press the front edge of the presser foot.



Attaching the Presser Foot Sole

- > Raise the presser foot (1).
- > Place the presser foot sole (2) under the shaft groove (3) so that the shaft groove is above the presser foot sole pin (4).
- > Then push the new presser foot sole upward until it engages.



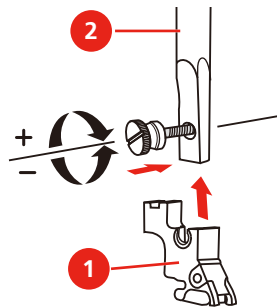
Removing and Inserting the Presser Foot Holder



[Video](#)

Prerequisite:

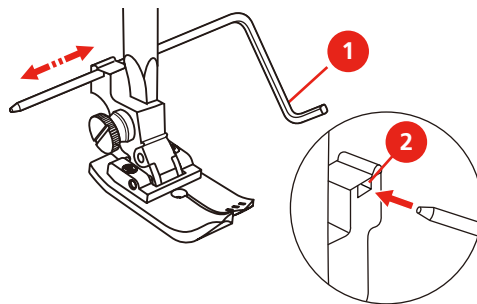
- The presser foot sole is removed.
- > Raise the presser foot.
- > Align the presser foot holder (1) with the presser foot bar (2) underneath and to the left.
- > Hold the presser foot holder firmly and screw in the screw by hand.
- > Tighten the screw using the screwdriver.



Attaching the Seam Guide

The seam guide is suitable for sewing parallel lines.

- > Set the required distance to the adjacent seam.



Having the presser foot sole displayed in the user interface



[Video](#)

The recommended presser foot sole for the selected stitch is displayed. Moreover, other optimal presser foot soles can be displayed.

- > Switch the machine on.
- > Select the stitch pattern.
 - The recommended presser foot sole with letter designation is displayed in the «Presser Foot Indicator/Presser Foot Selection» field.



- > Tap «Presser Foot Indicator/Presser Foot Selection».
- Any presser foot soles are displayed.



- A green tick indicates the recommended presser foot sole.
- A yellow star indicates the presser foot soles which can also be used for this stitch for special purposes.

Setting the Presser Foot Pressure



The presser foot pressure is designed to adjust the pressure of the presser foot optimally to the fabric thickness. When working with thick fabrics, it is recommended to reduce the presser foot pressure. This provides the advantage that the fabric can be moved more easily. When the presser foot pressure is set below 0, the presser foot even lifts to give more space to the thick fabric. When working with thin fabrics, it is recommended to increase the presser foot pressure. This provides the advantage that the fabric cannot be moved too easily under the presser foot.

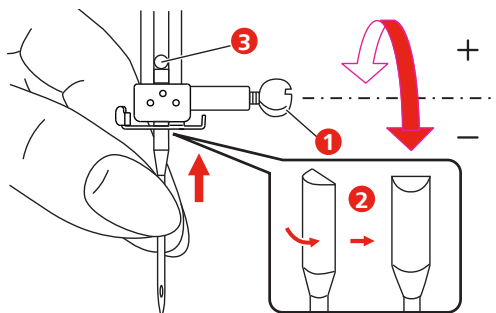


- > Tap «Presser Foot Pressure».
- > Adjust the presser foot pressure.

2.7 Needle and Stitch Plate

Changing the Needle

- > Raise the presser foot.
- > Raise the needle.
- > Switch the machine off and disconnect it from the power supply system.
- > Loosen the fixing screw (1) with the screwdriver.
- > Pull the needle down to remove.
- > Hold the new needle (2) with the flat side to the rear. Push the needle upwards into the needle holder as far as it will go (3).
- > Tighten the fixing screw with the screwdriver.

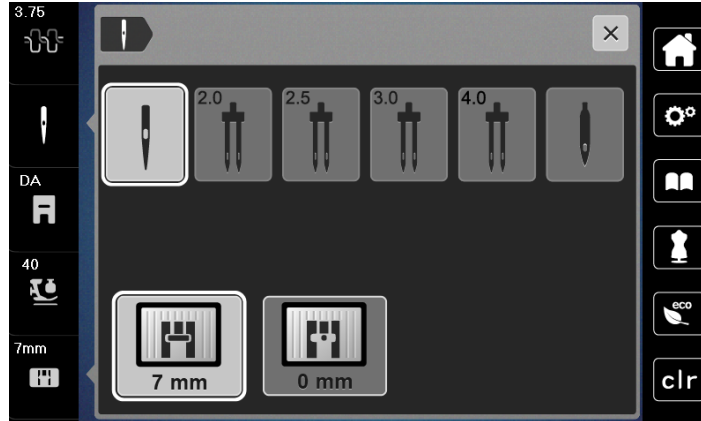


Selecting the Needle in the User Interface

After changing the needle, you can check whether it can be used with the selected stitch plate.



- > Tap «Needle Selection» or «Stitch Plate/Needle Selection».
- > Select the attached needle.



- When the selected needle matches the selected stitch plate and the presser foot, sewing can be started.
- If the selected needle does not match with the stitch plate, a red exclamation mark will appear on the display.

Needle Stop Up/Down (Permanent)

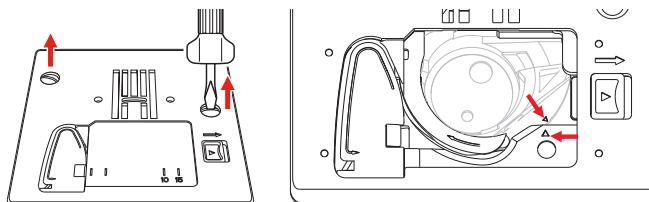
- > To set the needle stop position permanently, tap «Needle Stop Up/Down».
 - The machine stops with needle position down as soon as the foot control is released or the button «Start/Stop» has been pushed.
- > Tap «Needle Stop Up/Down» again.
 - The machine stops with needle position up as soon as the foot control is released or the button «Start/Stop» has been pushed.

Changing the Stitch Plate

The stitch plate is marked with vertical, horizontal and diagonal lines in millimeters (mm) and inches (inch). These markings are helpful for sewing or precise top-stitching. **Please Note:** The markings of the bobbin case and the stitch plate must be aligned identically.

Prerequisite:

- The feed dog is lowered.
 - The machine is switched off and disconnected from the power supply system.
 - The bobbin cover, the needle and the presser foot are removed.
- > Remove the screws of the stitch plate with the screwdriver.

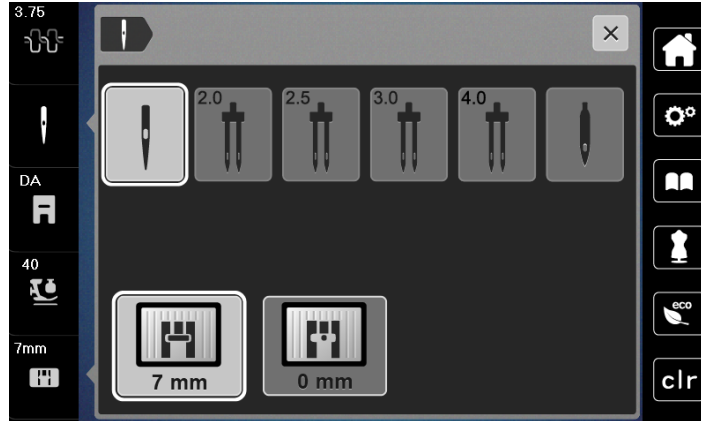
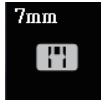


- > Remove the stitch plate.
- > Position new stitch plate and tighten screws with screwdriver.

Checking the Stitch Plate in the User Interface

After changing the stitch plate, you can check whether it can be used with the selected needle.

- > Tap «Stitch Plate/Needle Selection».
 - The mounted stitch plate is automatically detected and shown in the display.



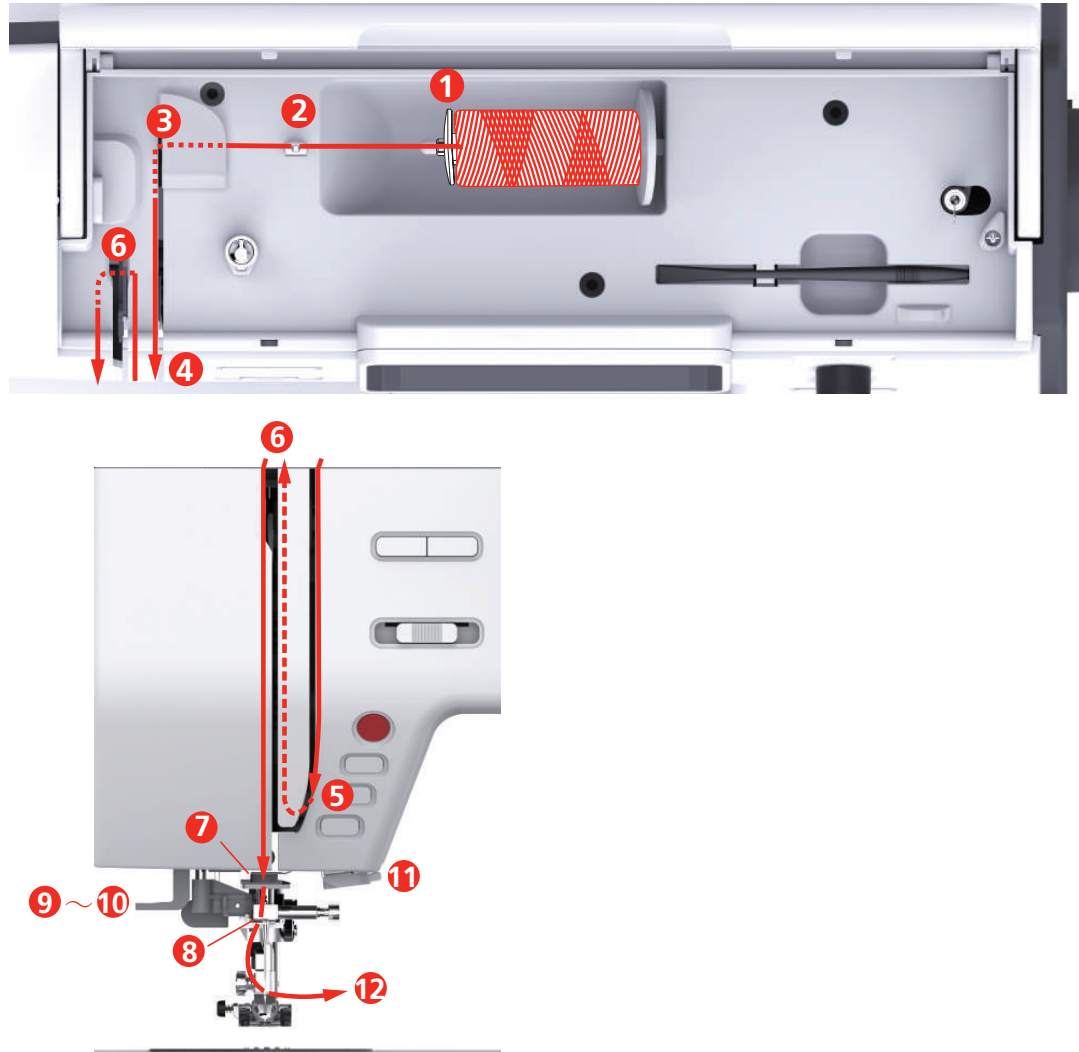
- If the selected stitch plate is suitable to be used in combination with the needle, sewing can begin.
- The stitch width is automatically set to the permissible value.
- If the selected needle does not match with the stitch plate, a red exclamation mark will appear on the display.

2.8 Threading

Preparing the Threading

- > Press the button «Presser Foot Up/Down » to raise the presser foot.
- > Raise the presser foot.

Threading the Upper Thread

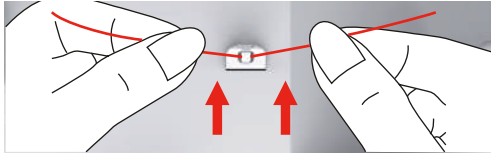


- | | | | |
|---|----------------------------|----|---------------|
| 1 | Spool Cap | 7 | Guide |
| 2 | Thread Guide | 8 | Guide |
| 3 | Thread Pretension | 9 | Thread Lever |
| 4 | Thread Tensions Discs | 10 | Wire Hook |
| 5 | Thread Take-up Lever Cover | 11 | Thread Cutter |
| 6 | Thread Take-up Lever | 12 | Thread |

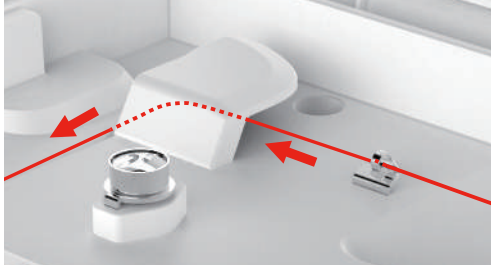
- > Place the thread spool on the spool pin so that the thread unwinds clockwise.
- > Fit the spool cap suitable for the spool.

SEWING PREPARATION

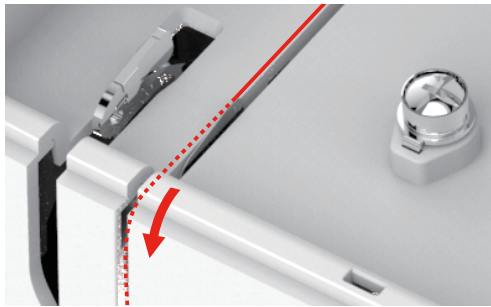
- > Feed the thread through the thread guide.



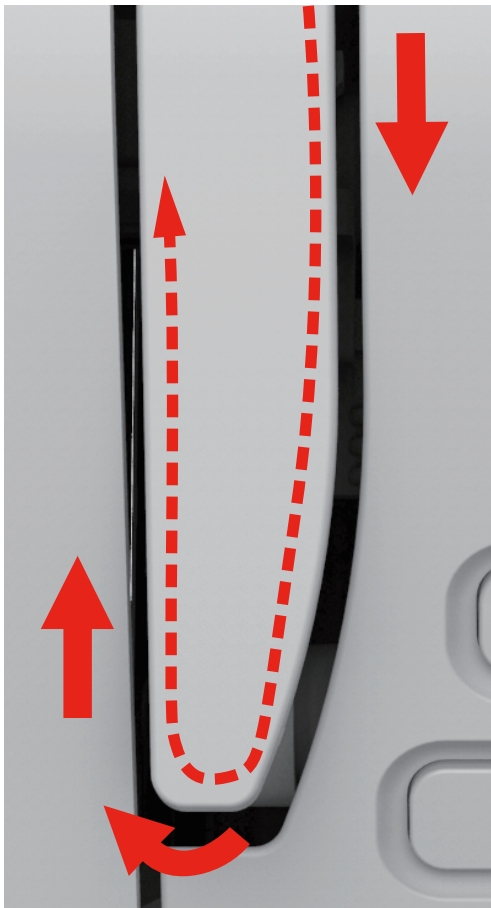
- > Guide the thread through the thread pretension.



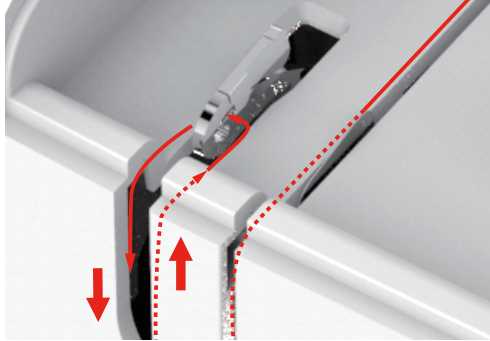
- > Place the end of the thread down along the duct.



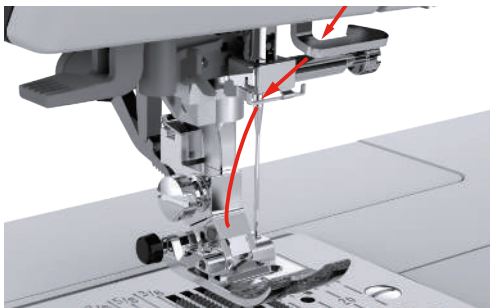
- > Guide the thread downwards around the thread take-up lever cover.



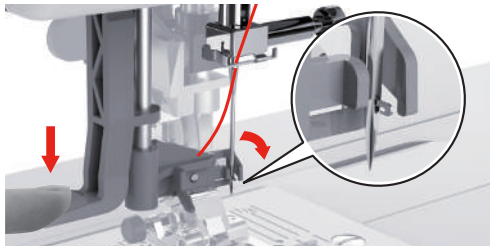
- > Guide the thread at the top from right to the left through the thread take-up lever and then down again.



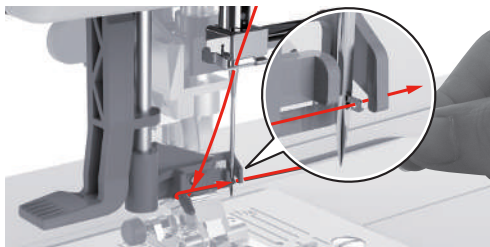
- > Guide the thread through the guides above the needle.
- > Lower the presser foot.



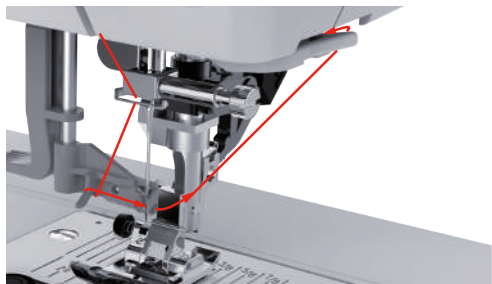
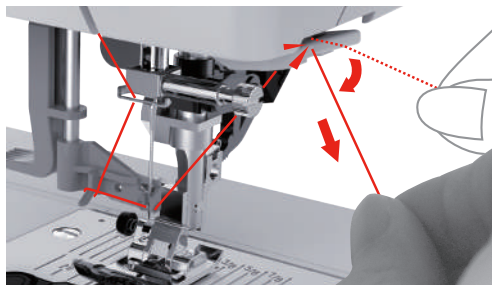
- > Press the threading lever down until it clicks into place.
 - The wire hook goes through the eye of the needle.
 - To prevent damage to the threader, the presser foot is lowered automatically.



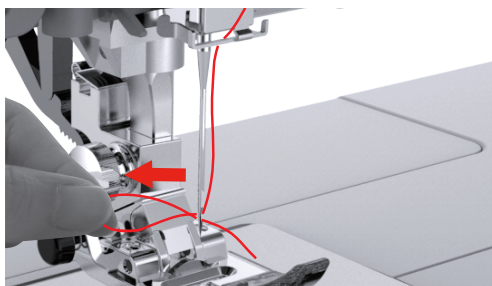
- > Feed the thread around the thread guide.
- > Guide the thread in front of the needle and underneath the wire hook and hold it.



- > To cut off excess thread, take the thread end and carefully pull it over the thread cutter. **Please Note:** Use the right thread cutter only when threading.



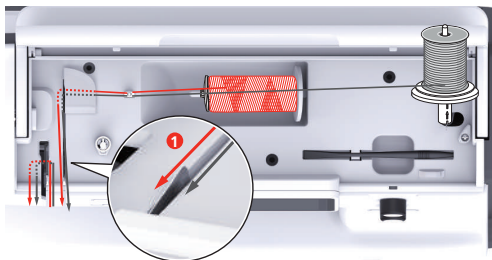
- > To thread the needle, lift the needle-threading lever. Keep the thread loose when doing so.
 - The wire hook moves backwards and pulls the thread through the needle eye into a loop.
- > Pull the thread completely through the eye of the needle.



Threading the Twin Needle

Prerequisite:

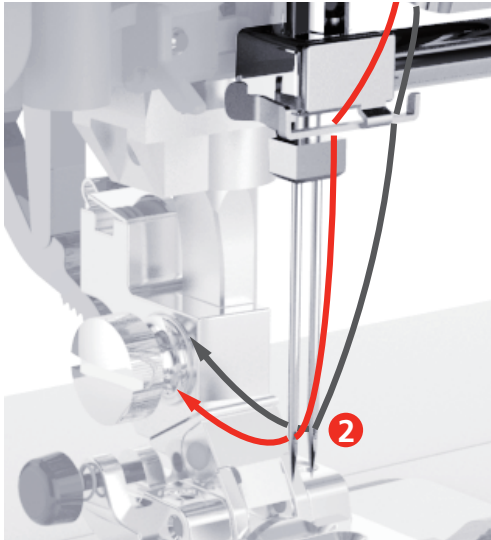
- The zigzag foot is fitted.
 - The twin needle is inserted.
 - The second spool pin, felt disc and second spool are fitted.
- > Guide the thread from the horizontal spool pin (red) in the direction of the arrow to the left side of the thread tension disc (1).



- > Guide the thread to the thread guide above the needle.



- > Thread the thread into the left needle manually.



- > Guide the thread from the vertical spool pin (blue) in the direction of the arrow to the right side of the thread tension disc (1).
- > Guide the thread to the thread guide above the needle.
- > Thread the thread into the right needle manually.

NOTICE

Needle Breakage Caused by Incorrect Presser Foot, Stitch or Needle Position

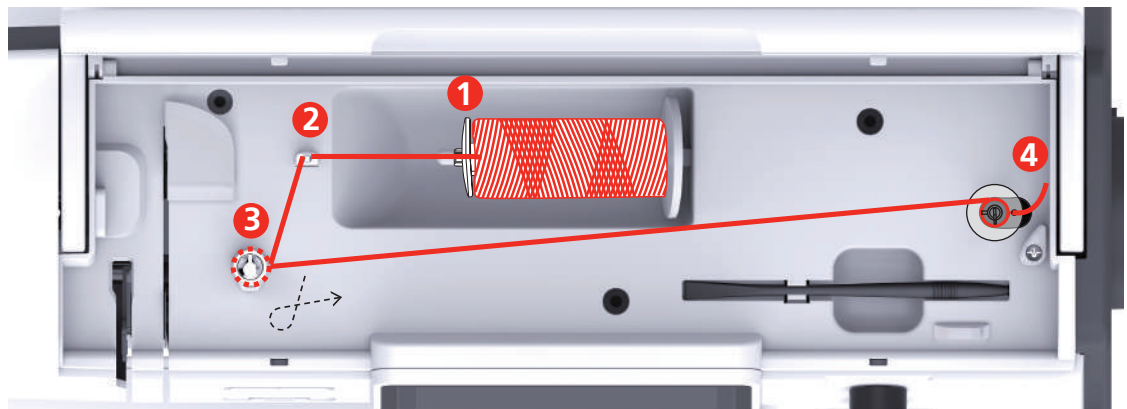
If the presser foot, stitch or needle position is incorrect, the needle can collide with the presser foot or stitch plate and break.

- > Fit the zigzag foot.
- > Set a straight stitch.
- > Set the needle to the center position.

Winding the Bobbin Thread

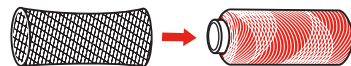


[Video](#)

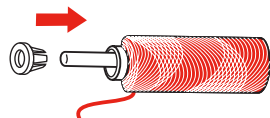


- | | |
|----------------|----------------------------|
| 1 Spool Cap | 3 Bobbin Winder Pretension |
| 2 Thread Guide | 4 Spool Pin |

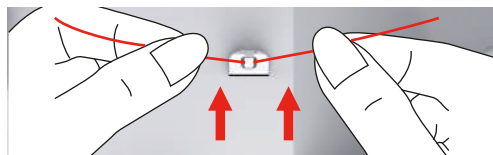
- > To prevent slippery threads from catching or breaking, pull the spool net over the spool.



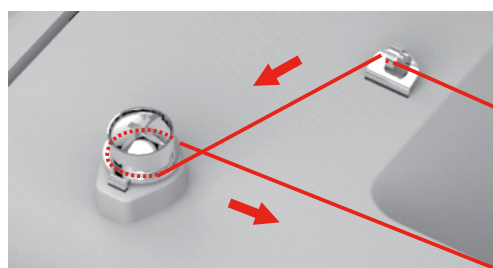
- > Place the thread spool and the appropriate spool cap on the spool holder. Use the small spool cap on the spool holder.



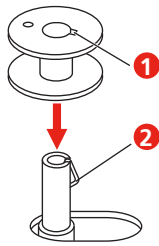
- > Feed the thread through the thread guide.



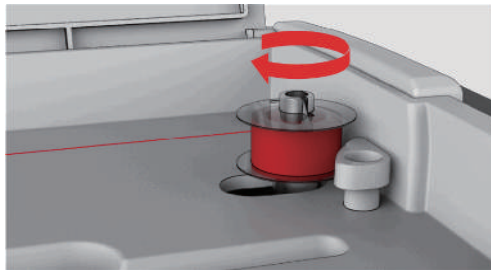
- > Guide the thread around the bobbin winder pre-tension in the direction of the arrow.



- > Pull the end of the thread through one of the inner holes on the bobbin and place the empty bobbin on the bobbin winding unit.



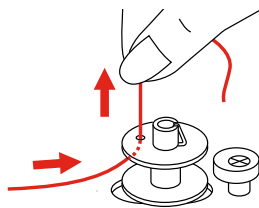
- > Push the bobbin to the right-hand position.



- The button «Start/Stop» flashes and the display for winding appears.



- > Hold the end of the thread tightly with one hand.



- > To start the winding process for a few revolutions and to stop it again, press the button «Start/Stop» so that the thread is firmly seated on the bobbin.

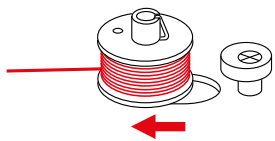
- > Cut the end of the thread above the inner hole.



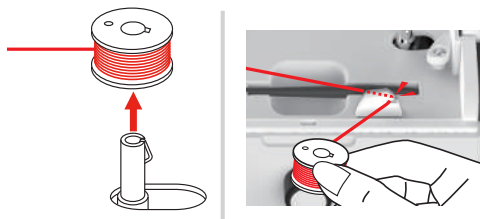
- > To continue the winding process, push the button «Start/Stop».

- > To stop the winding process, press the button «Start/Stop».

- > Push the bobbin winding unit to the left into the starting position.



- > Remove the bobbin and cut the thread.



Threading the Bobbin Thread



[Video](#)

NOTICE

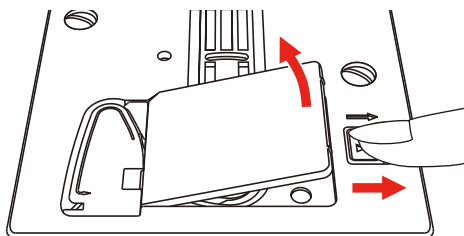
Needle Breakage Caused by Unevenly Wound Bobbins

Unevenly wound bobbins can lead to incorrect thread tension or cause needles to break.

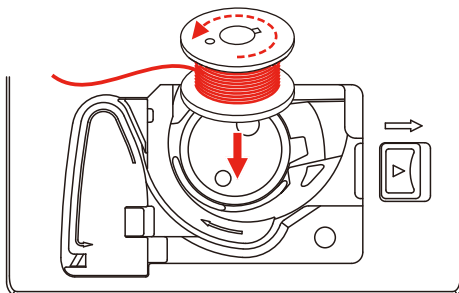
- > Only use evenly wound bobbins.

Prerequisite:

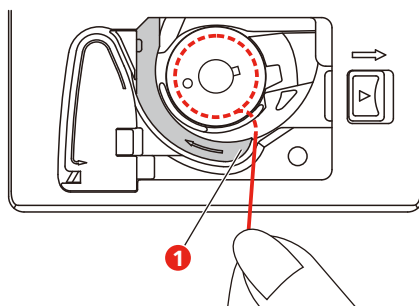
- The needle is raised.
 - The presser foot is raised.
 - The machine is switched off.
- > To open the bobbin cover, push the handle to the right and remove the bobbin cover.



- > Insert a new bobbin so that the thread is wound counterclockwise.

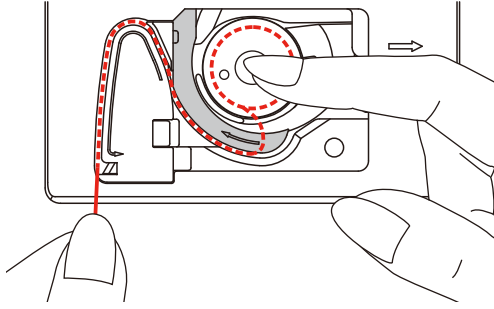


- > Pull the thread into the slit (1).

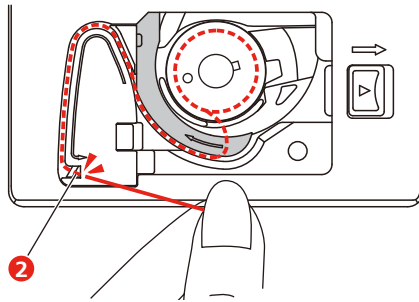


- > Press gently on the bobbin.

- > Follow the arrow markings to bring the thread into the bobbin thread guide.



- > To cut off excess thread, take the end of the thread and pull it over the thread cutter (2).



- > Attach the bobbin cover.

3 Setup Program

3.1 Sewing Settings

Adjusting the Upper Thread Tension

Changes to the upper thread tension in the Setup Program affect all of the stitch patterns. The setting in the setup is retained after the machine is switched off.



> Tap «Settings».



> Tap «Sewing».



> Tap «Adjusting the Upper Thread Tension».
> Adjust the upper thread tension.

Adjusting the Maximum Sewing Speed

The maximum speed can be reduced by this function.



> Tap «Settings».



> Tap «Sewing».



> Tap «Sewing Speed».
> Set the maximum sewing speed.

Programming Securing Stitches



[Video](#)

If the function is switched on, 4 securing stitches are automatically sewn at the start of the pattern after the thread cut.



> Tap «Settings».



> Tap «Sewing».



> Switch «Securing Stitches at the Start of the Pattern» on or off.

Adjusting the Hovering Height of the Presser Foot

The hovering height of the presser foot can be adjusted according to the fabric thickness from 1 to maximal 6 mm.



> Tap «Settings».



> Tap «Sewing».



> Tap «Programming Buttons and Icons».



> Tap «Programming the Hovering Height of the Presser Foot».

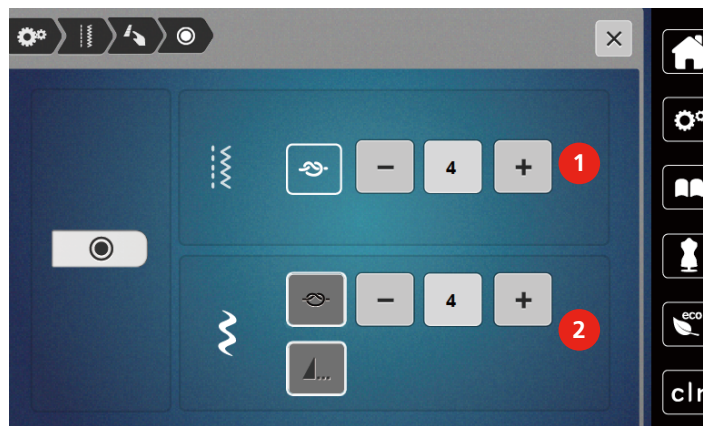
> To set the distance between the stitch plate and the presser foot, turn the «Upper Multi-function Knob» or «Lower Multi-function Knob», or tap «Plus»/«Minus».

Programming the Button «Securing»

Number and type of securing stitches can be programmed.

The number of securing stitches for practical stitches can be programmed in the upper section of the display (1).

Securing of decorative stitches or stitch pattern combinations can be programmed in the lower section of the display (2).



> Tap «Settings».



> Tap «Sewing».



> Tap «Programming Buttons and Icons».



> Tap «Programming the Button Securing».



- > To program the number of securing stitches for practical stitches, tap «Plus» or «Minus» in the upper section of the display (1).
- > To activate automatic securing for decorative stitches and stitch pattern combinations, tap «Securing Stitches».
- > To program the number of securing stitches at short intervals, tap «Plus» or «Minus» in the lower section of the display (2).
- > To deactivate automatic securing for decorative stitches and stitch pattern combinations, tap «Securing Stitches» again.



- > To activate securing for the selected pattern at the end, tap «Pattern End».
 - The machine secures and stops at the end of the pattern.
- > To deactivate securing at the end of the pattern, tap «Pattern End» again.

Programming the Button «Thread Cutter»



[Video](#)

The automatic securing can be programmed before the thread cut takes place.



- > Tap «Settings».



- > Tap «Sewing».



- > Tap «Programming Buttons and Icons».



- > Tap «Programming the Button Thread Cutter».



- > To sew four securing stitches before cutting, tap «Securing Stitches».
- > To program the number of securing stitches, tap «Minus» or «Plus».
- > To deactivate automatic securing, tap «Securing Stitches» again.

Adjusting the Presser Foot Position with Needle Stop Down

With lowered needle, the presser foot is raised to hover position when the needle is programmed in the down position.



- > Tap «Settings».



- > Tap «Sewing».



- > Tap «Programming Buttons and Icons».



- > Tap «Pressure Foot Position with Needle Stop Down».



- > To activate the presser foot raised in the hover position with needle stop downward, tap the switch.

- > To deactivate the presser foot raised in the hover position with needle stop downward, tap the switch again.

Programming the Button «Quick Reverse»

You can choose between «Reverse Sewing» and «Stitch-specific Reverse Sewing».



- > Tap «Settings».



- > Tap «Sewing».



- > Tap «Programming Buttons and Icons».



- > Tap «Programming the Button Quick Reverse».



- > To activate stitch-precise reverse sewing, tap «Backstepping».



- > To activate reverse sewing, tap «Quick Reverse».

Programming the "Needle Up/Down" Button

The hovering height of the presser foot can be set for the sewing stop with the lower needle.



- > Tap «Settings».



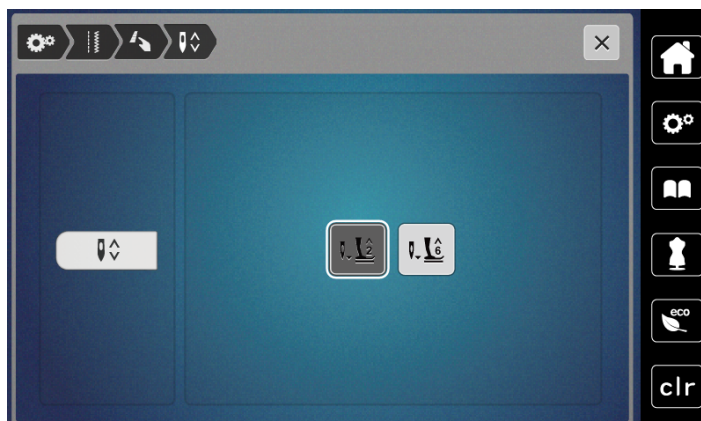
- > Tap «Sewing».



- > Tap «Programming Buttons and Icons».



- > Tap «Programming the Needle Up/Down Button».





> To set the hovering height of the lower needle to 2 mm, tap «Presser Foot Hovering Height 2».



> To set the hovering height of the lower needle to 6 mm, tap «Presser Foot Hovering Height 6».

NOTICE! If the ruler foot is being used, the presser foot hovering height may be maximum 2 mm, in order to avoid a collision with the needle holder.

Programming the Foot Control Individually



[Video](#)

If «Needle Up/Down» is activated, the needle is raised or lowered with the back-kick on the foot control. Alternatively, the presser foot can be positioned, the thread can be cut and the automatic securing can be programmed.



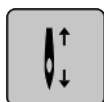
> Tap «Settings».



> Tap «Sewing».



> Tap «Programming the Foot Control».



- «Needle Up/Down» is activated in the default setting.
- The back-kick on the foot control raises or lowers the needle.



> To program the Back-kick, tap «Programming the Back-kick».



- > To activate automatic securing via the back-kick, tap «Securing Stitches».
- > To program the number of securing stitches, tap «Plus» or «Minus».
- > To deactivate automatic securing via the back-kick, tap «Securing Stitches» again.



- > To activate automatic thread-cutting via the back-kick, tap «Automatic Thread Cutter».
- > To deactivate automatic thread-cutting via the back-kick, tap «Automatic Thread Cutter» again.



- > To keep the lowered position of the presser foot via the Back-kick, tap «Needle Up/Down».
- > To keep the raised position of the presser foot via the Back-kick, tap «Needle Up/Down» again.
 - If only «Needle Up/Down» without «Automatic Thread Cutter» and «Securing Stitches» is activated, the function can move the presser foot into the hover position or into the highest position (12 mm).

Fabric Thickness Measurement

While sewing, the machine continuously checks the current fabric thickness and adjusts a proper presser foot pressure in time to keep a smooth feed of the fabric.



> Tap «Settings».



> Tap «Sewing».



- > To activate the automatic foot pressure compensation, tap «Fabric Thickness Measurement».
- > To deactivate the automatic foot pressure compensation, tap «Fabric Thickness Measurement» again.

Adjusting the General Balance

Different fabrics, threads and stabilizers can affect the programmed stitch patterns so that they cannot be sewn out correctly. The electronic balance can correct these deviation and the stitch pattern can be adjusted optimally to the selected fabric.



- > Select a stitch pattern or alphabet.
- > Tap «Settings».



- > Tap «Sewing».



- > Tap «Balance».
 - A preview of the stitch pattern is displayed.
- > To correct the longitudinal direction of the stitch pattern, turn the «Multi-function Knob» until the preview of the stitch pattern matches the stitch pattern sewn on the fabric.

3.2 Embroidery Settings

Adjusting the Upper Thread Tension

Changes to the upper thread tension in the Setup Program affect all of the embroidery designs.



- > Tap «Settings».



- > Tap «Embroidery Settings».



- > Tap «Adjusting the Upper Thread Tension».
- > Adjust the upper thread tension.

Adjusting the Maximum Embroidering Speed

The maximum speed can be reduced by this function.



- > Tap «Settings».



- > Tap «Embroidery Settings».



- > Tap «Maximum Embroidery Speed».
- > Set the maximum sewing speed.

Calibrating the Embroidery Hoop

The calibration of the embroidery hoop is the coordination of the needle to the center of the embroidery hoop.

Prerequisite:

- The embroidery module is connected and the embroidery hoop with the appropriate embroidery template is attached.



> Tap «Settings».



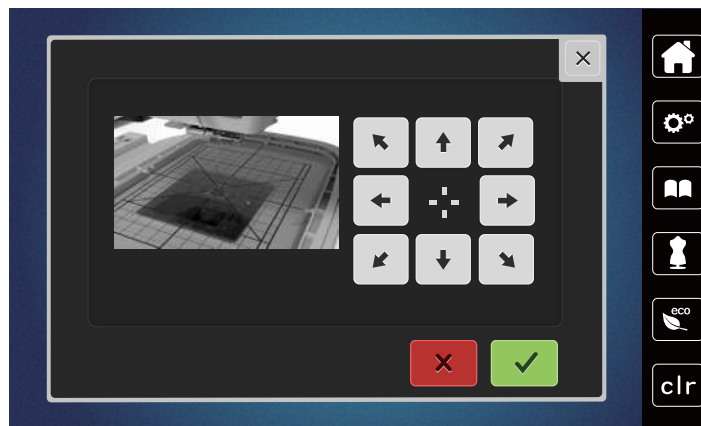
> Tap «Embroidery Settings».



> Tap «Calibrating the Embroidery Hoop».

- The machine recognizes the size of the attached embroidery hoop automatically and moves to the center of the hoop.

> Position the needle exactly in the center using the arrows on the display and confirm the position.



Deactivating Securing Stitches



> Tap «Settings».



> Tap «Embroidery Settings».



> Tap «Securing Stitches On/Off».

> Tap the switch in the lower left area to deactivate the securing stitches.

- No securing stitches will be sewn and the bobbin thread needs to be brought up manually and held when embroidering is started.

> Tap the switch again to activate the securing stitches.

Adjusting the Thread Cut



> Tap «Settings».



> Tap «Embroidery Settings».



> Tap «Thread Cut Settings».



> To deactivate the automatic thread cut before changing a thread, tap the switch in the upper section of the display (1).

> To activate the automatic thread cut before changing a thread, tap the switch in the upper section of the display (1) again.

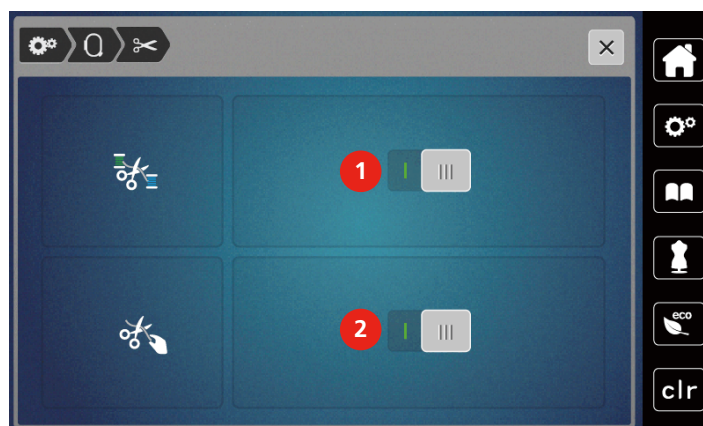
> To deactivate the manual thread cut after embroidering, tap the switch in the lower section of the display (2).

- The machine won't stop for a manual thread cut.

> To activate the manual thread cut after embroidering, tap the switch in the lower section of the display (2).

- The machine will stop after about 7 stitches.

> Cut the remaining thread with scissors.



Adjusting the Height of the Embroidery Presser Foot



> Tap «Settings».



> Tap «Embroidery Settings».



> Tap «Entering the Fabric Thickness».

> To set the distance between the embroidery foot and the stitch plate, turn the «Upper Multi-function Knob» or «Lower Multi-function Knob», or tap «Plus» or «Minus».

3.3 Selecting Personal Settings



> Tap «Settings».

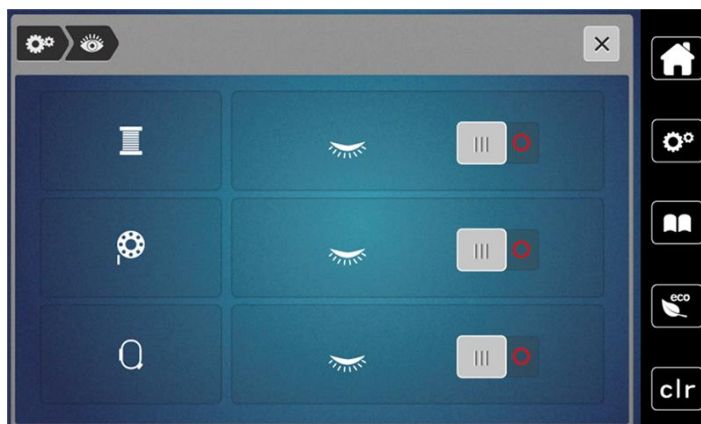


> Tap «Personal».

> Select the desired display color.



3.4 Monitoring Functions



Activating the Upper Thread Indicator



> Tap «Settings».



> Tap «Monitoring Functions».



> Tap the switch in the upper section of the display to deactivate the upper thread indicator.
> Tap the switch again to activate the upper thread indicator.

Activating the Bobbin Thread Indicator



> Tap «Settings».



> Tap «Monitoring Functions».



> Tap the switch in the middle section of the display to deactivate the bobbin thread indicator.
> Tap the switch again to activate the bobbin thread indicator.

Set Hoop Recognition



> Tap «Settings».



> Tap «Monitoring Functions».



> Tap the switch in the lower section of the display to deactivate the hoop recognition.
> Tap the switch again to activate the hoop recognition.

3.5 Sound On/Off



> Tap «Settings».



> To switch off all sounds, tap «Switching Sounds On/Off».
> To switch on all sounds, tap «Switching Sounds On/Off» again.

3.6 Machine Settings

Adjusting the Brightness of the Display

The brightness of the display can be set to meet your individual needs.



> Tap «Settings».



> Tap «Machine».



> Tap «Light».

> Adjust the brightness of the display in the upper section of the screen.

Adjusting the Sewing Light

The brightness of the sewing light can be adjusted corresponding to the personal preferences.



> Tap «Settings».



> Tap «Machine».



> Tap «Light».

> Adjust the brightness of the sewing light in the lower section of the screen.



> Tap the switch to switch the sewing light off.

> Tap the switch again to switch the sewing light on.

Calibrating the Display

Further information on this topic can be found in the chapter “Troubleshooting”.



> Tap «Settings».

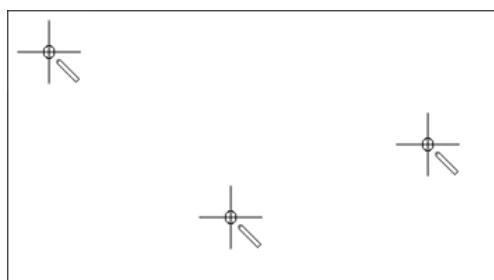


> Tap «Machine».



> Tap «Calibrating the Screen».

> Touch the crosses in sequence using the touchscreen pen.



Back to Basic Setting

ATTENTION: Using this function will delete all individually made settings.



> Tap «Settings».



> Tap «Machine».



> Tap «Factory Setting».



> To restore all default settings for sewing, tap «Default Setting Sewing» and confirm.



> To restore all default settings for embroidering, tap «Default Setting Embroidering» and confirm.



> To restore all default settings, tap «Default Setting Machine», confirm and restart the machine.

Updating the Machine Firmware

The machine's current firmware and detailed step-by-step instructions for the update process can be downloaded from <https://www.bernette.com> Personal data and settings are automatically transferred during a firmware update.

NOTICE

USB Stick (Optional Accessory) has been Removed too Early

Firmware has not been updated and the machine cannot be used.

> Remove the USB stick (Optional accessory) only after the saved data has been transferred successfully.

> Insert the BERNINA USB Stick (optional accessory), FAT32 formatted, providing the latest software into the port.



> Tap «Settings».



> Tap «Machine».



> Tap «Machine Data».



> To update the machine firmware, tap «Update».

Checking the Firmware Version

The firmware version of the machine is displayed.



> Tap «Settings».




> Tap «Machine».



> Tap «Machine Data».

Reviewing the Total Number of Stitches

The total stitch count of the machine and the number of stitches since the last service performed by a bernette dealer are displayed.

Four million stitches after a service, the symbol  recommends maintenance by specialized bernette dealer.



> Tap «Settings».



> Tap «Machine».



> Tap «Machine Data».

Selecting a Language

The user interface can be programmed in different languages according to the customer's wish.



> Tap «Settings».



> Tap «Machine».



> Tap «Language».

> Select a language.

4 System Settings

4.1 Calling Up the Tutorial

The Tutorial gives information and explanations, covering various aspects of sewing, embroidering, and the different techniques.



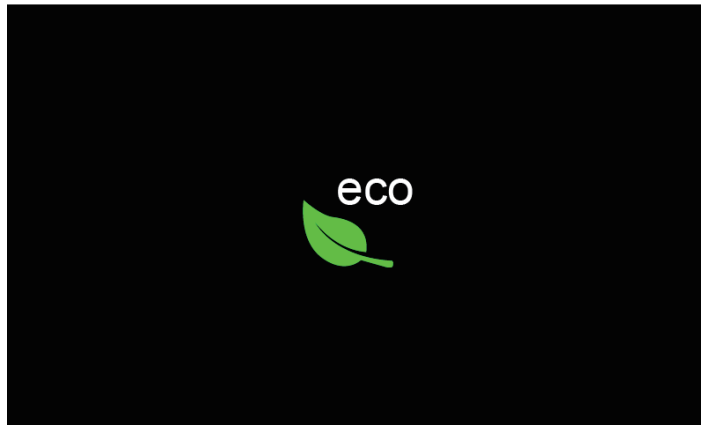
- > Tap «Tutorial».
- > Select the desired topic in order to view information.

4.2 Using eco Mode

If work is interrupted for an extended period, the machine can be put into energy-saving mode. Nothing can be selected in the display and the machine cannot be started.



- > Tap «eco-mode».
 - The display goes to sleep. The power consumption is reduced and the sewing light is off.



- > Tap «eco Mode» in the display.
 - The machine is once again ready for operation.

4.3 Calling up the Creative Consultant

The Creative Consultant provides decision support for sewing projects. After entering the fabric and the desired sewing project, suggestions for suitable needles, presser feet etc. are displayed.

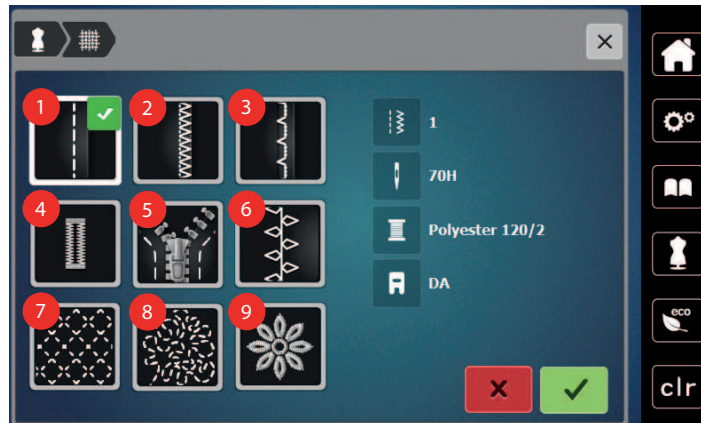


- > Tap «Consultant».
- > Select the fabric to be sewn.

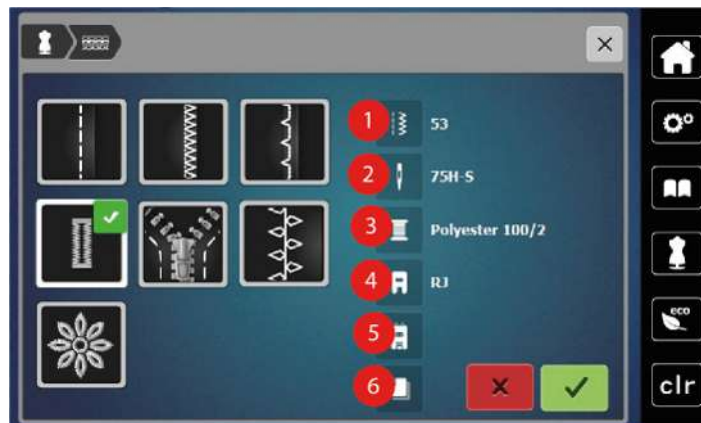


- | | | | |
|---|---------------------|----|-----------------------------|
| 1 | Light-weight Woven | 7 | Heavy Knits |
| 2 | Medium-weight Woven | 8 | Fur/Imitation Fur |
| 3 | Heavy-weight Woven | 9 | Toweling |
| 4 | Jeans | 10 | Fabric with a Piled Texture |
| 5 | Light Knits | 11 | Leather and Vinyl |
| 6 | Medium-weight Knits | 12 | Net and Lace |

- > Select the sewing project.
 - The stitch is changed automatically, but all other settings must be done by the user.



- | | | | |
|---|-----------------|---|--------------------|
| 1 | Seaming | 6 | Decorative Sewing |
| 2 | Finishing Edges | 7 | Machine Quilting |
| 3 | Blind Hem | 8 | Free-motion Sewing |
| 4 | Buttonholes | 9 | Appliqués |
| 5 | Zips | | |



- | | | | |
|---|---------------------------|---|--------------------------|
| 1 | Recommended Stitch Number | 4 | Recommended Presser Foot |
| 2 | Recommended Needle | 5 | Reinforced Buttonhole |
| 3 | Recommended Thread | 6 | Stabilizer Recommended |

- > Make the settings of the machine according to the instructions.

4.4 Cancelling any Alterations with «clr»

Any alterations to designs can be reset to basic setting. Exceptions are saved designs which have been filed in the personal memory and monitoring functions.



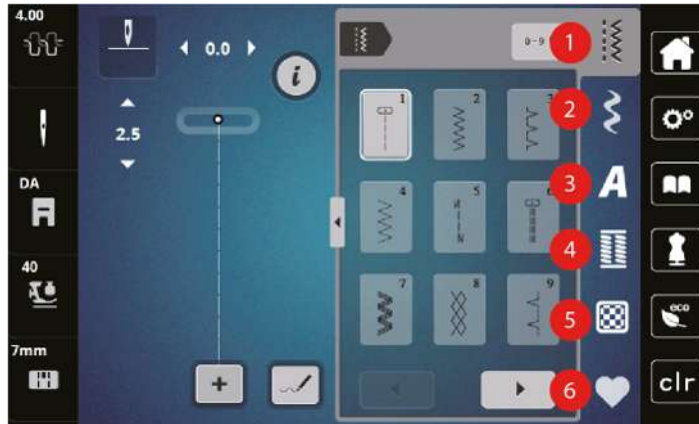
- > Tap «Clear Settings».

5 Creative Sewing

5.1 Overview Selection Menu Sewing

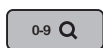


[Video](#)

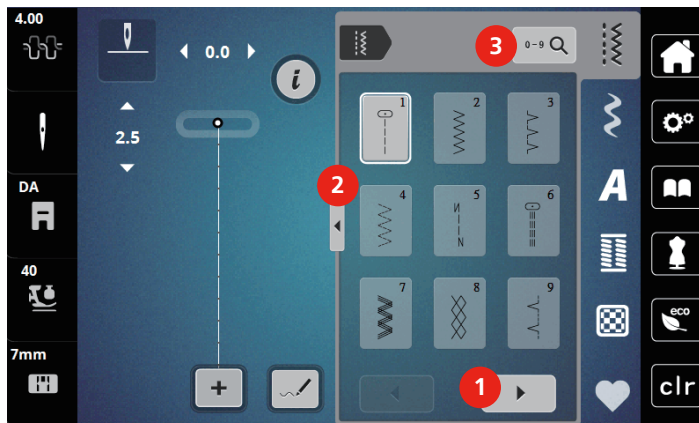


- | | | | |
|---|-----------------------|---|---------------------|
| 1 | «Practical Stitches» | 4 | «Buttonholes» |
| 2 | «Decorative Stitches» | 5 | «Quilting Stitches» |
| 3 | «Alphabets» | 6 | «Personal Memory» |

Selecting a Stitch Pattern



- > Select a stitch pattern, alphabet or buttonhole.
- > To display further stitch patterns, scroll to the right (1).
- > To increase the view, tap «Increasing/Decreasing the Display Size» (2).
- > To minimize the stitch pattern view, tap «Increasing/Decreasing the Display Size» (2) again.
- > To select the stitch pattern by inputting the stitch number, tap «Stitch Pattern Selection via Number» (3).
 - If «!!!» appear when entering the stitch pattern, the stitch pattern cannot be used in the Combi-mode.
 - If «???» appear when entering the stitch pattern, the stitch pattern doesn't exist.



5.2 Dual feed



It is recommended to match the presser foot pressure with the fabric. The thicker the fabric, the lower the presser foot pressure.

The Dual Feed feeds the fabric from above and from beneath simultaneously. This provides an even and careful feed forward even for smooth and thin materials. Striped and checkered patterns can be matched perfectly by even feeding.

Application of the Dual Feed

In general, the Dual Feed is used for the following sewing projects:

- Sewing: All sewing applications with difficult fabrics such as for seams, zippers
- Patchwork: With accurate stripes, blocks and with decorative stitches up to a stitch width of 7 mm
- Appliqués: sewing appliqués, ribbons and bias binding

Difficult-to-work-with fabrics are:

- Velvet, normally sewn with the grain
- Toweling
- Jersey, especially when sewing it crosswise to knit
- Fake fur or coated fake fur
- Fleece-types of fabrics
- Batted fabrics
- Stripes and checks
- Curtain fabrics with pattern repeats

«Sticky» fabrics are:

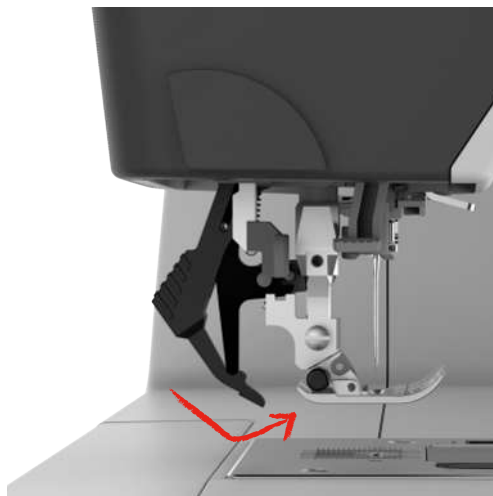
- Imitation leather, coated fabrics

Use the Dual Feed



When working with the Dual Feed, only use presser feet with the rear opening.

- > Raise the presser foot.
- > Swing the DF mechanism forward under the back of the presser foot until it clicks in position.



- > Raise the presser foot.
- > To remove the Dual Feed again, pull the Dual Feed down and swing it to the back.

5.3 Regulating the Speed

Regulating the Speed with the Speed Control

The maximum possible sewing speed is infinitely variable via the speed control.

- > To reduce the sewing speed, move the speed control to the left.
- > To increase the sewing speed, move the speed control to the right.

Regulating the Speed via the Foot Control

The sewing speed can be continuously varied up to the maximum possible speed via the foot control.

- > Press the foot control down carefully to start the machine.
- > To sew more quickly, press the foot control further down.
- > Release the foot control to stop the machine.



5.4 Adjusting the Upper Thread Tension

The default setting of the upper thread tension is set automatically as soon as a stitch pattern is selected.

When using different types of sewing threads, the upper thread tension may vary. It may therefore be necessary to adjust the upper thread tension individually according to the sewing project as well as the desired stitch.

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. When the upper thread tension is low, the upper thread is less tightened, and the bobbin thread is pulled up less into the fabric.

Alteration of the upper thread tension affect the currently stitch pattern. Permanent alterations of the upper thread tension for the sewing can be made in the Setup Program.



- > Tap «Upper Thread Tension».

- > To increase or decrease the upper thread tension, move the slider.

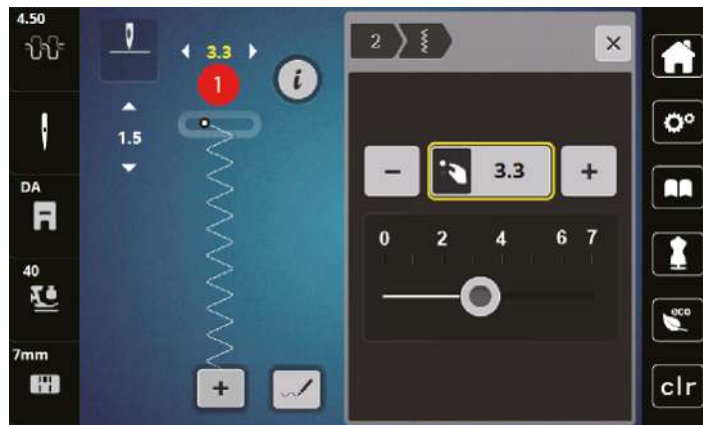


- 1 Permanent Alteration of Thread Tension
- 2 Thread Tension of the Current Embroidery Design

5.5 Editing Stitch Patterns

Changing the Stitch Width

- > Turn the «Upper Multi-function Knob» to the left to narrow the stitch width.
- > Turn the «Upper Multi-function Knob» to the right to widen the stitch width.
- > To call up further setting options, tap the icon «Stitch width» (1).



Changing the Stitch Length

- > Turn the «Lower Multi-function Knob» to the left to shorten the stitch length.
- > Turn the «Lower Multi-function Knob» to the right to elongate the stitch length.

- > To call up other setting options, tap «Stitch Length» (1).



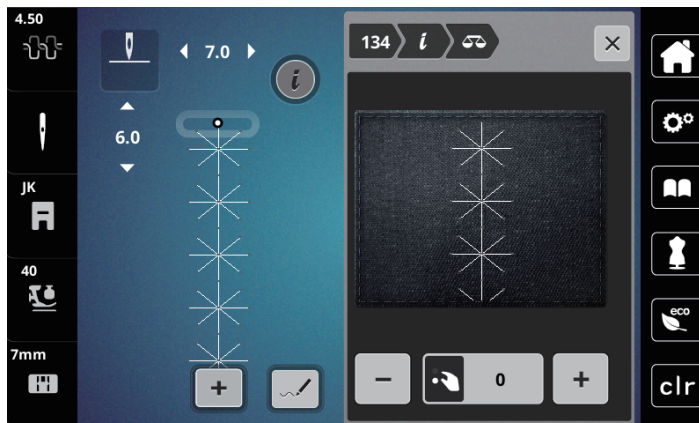
Correcting the Balance

Different fabrics, threads and stabilizers can affect the programmed stitch patterns so that they cannot be sewn out correctly. The electronic balance can correct these deviation and the stitch pattern can be adjusted optimally to the selected fabric.

- > Select a stitch pattern or alphabet.
- > Sewing stitch pattern.
- > Tap «i-Dialog».



- > Tap «Balance».
 - A preview of the stitch pattern is displayed.



- > To correct the longitudinal direction of the stitch pattern, turn the «Lower Multi-function Knob» until the preview of the stitch pattern matches the stitch pattern sewn on the fabric.
- > Altered Balance settings can be saved for each stitch in the «Personal Memory» .
- > Altered Balance settings only remain valid until the «Clear Settings» is pushed or the machine is switched off.



Programming Pattern Repeat

- > Select a stitch pattern or alphabet.
- > Tap «i-Dialog».





- > To repeat the stitch pattern, tap «Pattern Repeat» once.
- > To repeat the stitch pattern up to nine times, tap «Pattern Repeat» two to nine times.
 - The machine stops automatically after the programmed number of patterns has been sewn.



- > To secure a backstitch at the end of sewing, «Securing Stitches» is activated.
- > To deactivate securing, tap «Securing Stitches».

Mirror Image of Stitch Patterns



- > Select a stitch pattern or alphabet.
- > Tap «i-Dialog».



- > To mirror the stitch pattern from left to right, tap «Mirror Image Left/Right».



- > To mirror the stitch pattern in sewing direction, tap «Mirror Image Up/Down».

Edit Stitch Pattern Length

Stitches from category satin stitch pattern can be lengthwise extended or shortened.



- > Select the stitch pattern.
- > Tap «i-Dialog».



- > Tap «Edit Stitch Pattern Length».
- > To set the stitch pattern length, push the slide or tap «Plus»/«Minus» (1).
- > To determine the density of the stitch pattern, tap «Plus»/«Minus» (2).



Permanent Quick Reverse

- > Select a stitch pattern or alphabet.
- > Tap «i-Dialog».



- > To sew backward permanently, tap «Permanent Reverse Sewing» (1).

Backstepping

- > Select a stitch pattern, alphabet or buttonhole.
- > Tap «i-Dialog».



- > For stitch-precise reverse sewing, tap «Backstepping» (2).



5.6 Stitch Pattern Combination

Overview Combi Mode



- | | | | |
|---|-----------------|---|--|
| 1 | «Stitch Width» | 3 | «Combination Mode/Single Mode» |
| 2 | «Stitch Length» | 4 | Individual Stitch Pattern within the Combination |

Creating Stitch Pattern Combinations



[Video](#)

In the Combi-mode stitch patterns and alphabets can be combined according to your wish. Each combination can hold up to 20 stitches. Patterns created in the Stitch Designer cannot be integrated in the pattern combinations.



- > Tap «Combination Mode/Single Mode» (3).
- > Select the desired stitch patterns.

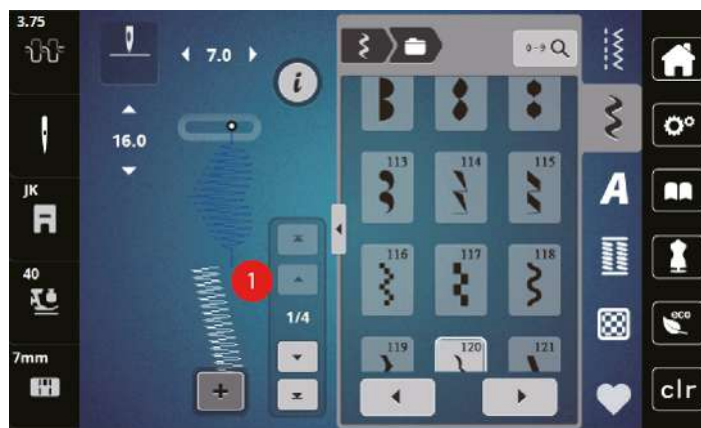


- > To get back to the Single Mode, tap «Combination Mode/Single Mode» again.

Editing a Single Stitch Pattern

Prerequisite:

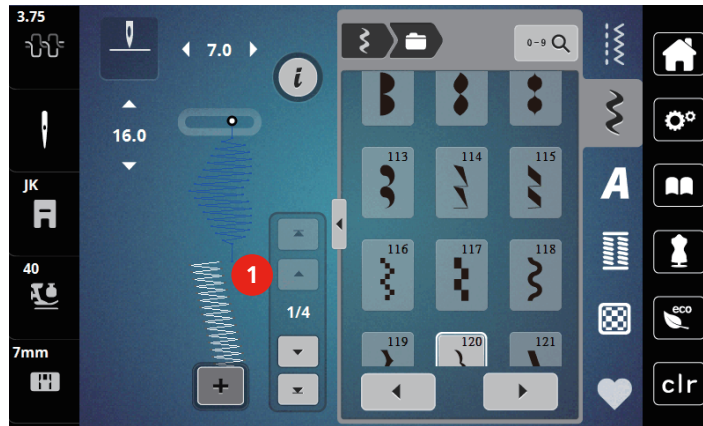
- A stitch pattern combination has been created.
- > To select a single stitch pattern, tap the desired position (1) within the stitch pattern combination.



- > To edit the single stitch pattern, tap «i-Dialog».

Deleting a Single Stitch Pattern

- > Create a stitch pattern combination.
- > To select a single stitch pattern, tap the desired position (1) within the stitch pattern combination.



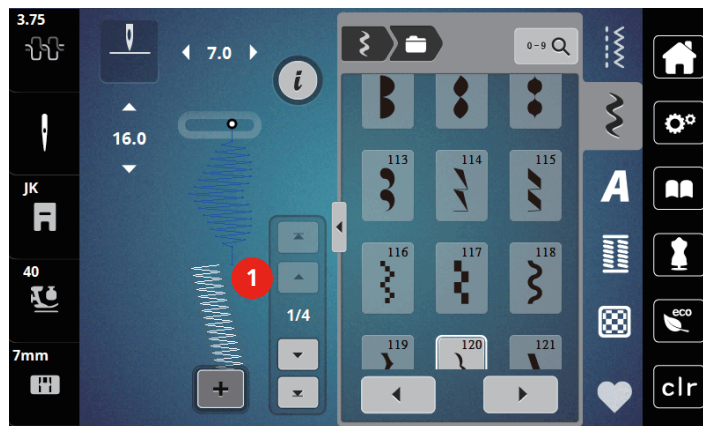
- > Tap «i-Dialog».



- > To delete the single stitch pattern, tap «Delete».

Adding a Single Stitch Pattern

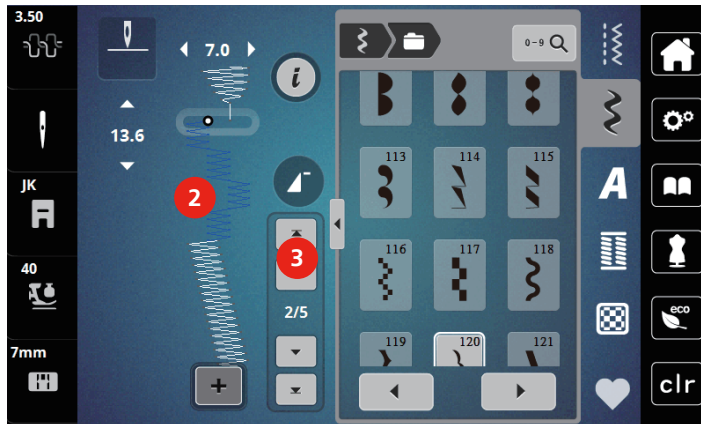
- > To add a stitch pattern at the start, go right to the front of the stitch pattern group and tap the second upper arrow (1).



– Both upper arrows are inactive.

- > Add a new stitch pattern.
- > Create a stitch pattern combination.

- > To select a new stitch pattern according to the selected stitch pattern, tap the desired position (2) within the stitch pattern combination or use the arrow (3).



Mirroring a Stitch Pattern Combination

Prerequisite:

- A stitch pattern combination has been created.



- > Tap «i-Dialog».
- > Tap «Editing a Stitch Pattern Combination».



- > To mirror the whole stitch pattern combination from left to right, tap, «Mirror Image Left/Right».
- > To reset the changes and revert to the default settings, tap «Mirror Image Left/Right».

Programming Pattern Repeat



- > Create a stitch pattern combination.
- > Tap «i-Dialog».
- > Tap «Editing a Stitch Pattern Combination».



- > To repeat the stitch pattern combination, tap «Pattern Repeat» once.
 - «Securing» at the final end of the combination is activated.
- > To repeat the stitch pattern combination up to nine times, tap «Pattern Repeat» again.
- > To switch off the pattern repetition, press and hold «Pattern Repeat» until an «X» appears in place of a number.

Securing a Stitch Pattern Combination

Securing at the end of the stitch pattern combination is deactivated. To activate securing at the end of the stitch pattern combination:



- > Create a stitch pattern combination.
- > Tap «i-Dialog».



- > Tap «Editing a Stitch Pattern Combination».



- > Tap «Securing Stitches».

Saving a Stitch Pattern Combination

To use an individually created stitch pattern combinations again, they can be saved in the folder «Personal Memory».

Prerequisite:

- A stitch pattern combination has been created.



> Tap «Personal Memory».



> Tap «Save Stitch Pattern».



> To save the stitch pattern combination, tap «Confirm».

Loading a Stitch Pattern Combination



> Tap «Combination Mode/Single Mode».



> Tap «Personal Memory».



> Tap «Loading a Stitch Pattern Combination».
> Select a stitch pattern combination.

Overwriting a Stitch Pattern Combination

Prerequisite:

- A stitch pattern combination has been created.



> Tap «Personal Memory».



> Tap «Save Stitch Pattern».
> Select the stitch pattern combination which is to be overwritten.



> To overwrite the stitch pattern combination, tap «Confirm».

Deleting a Stitch Pattern Combination

Prerequisite:

- A stitch pattern combination has been created.



> Tap «i-Dialog».
> Tap «Editing a Stitch Pattern Combination».



> Tap «Delete».



> Tap «Confirm».

5.7 Administering Stitch Patterns

Saving Stitch Patterns in Personal Memory

In the filing system «Personal Memory» any stitch patterns, also those which have been individually edited, can be saved.

- > Select a stitch pattern, alphabet or buttonhole.
- > Edit the stitch pattern.
- > Tap «Personal Memory».



- > Tap «Save Stitch Pattern».



- > Tap «Confirm».

Overwriting Stitch Patterns from the Personal Memory

Prerequisite:

- The stitch pattern is saved in the personal memory.
- > Select a stitch pattern, alphabet or buttonhole.
- > Edit the stitch pattern.
- > Tap «Personal Memory».



- > Tap «Save Embroidery Design».
- > Select the stitch pattern which should be overwritten.



- > Tap «Confirm».

Loading Stitch Patterns from the Personal Memory

Prerequisite:

- The stitch pattern is saved in the personal memory.
- > Tap «Personal Memory».



- > Tap «Load Stitch Pattern».
- > Select a stitch pattern.

Deleting Stitch Patterns from the Personal Memory

Prerequisite:

- The stitch pattern is saved in the personal memory.
- > Tap «Personal Memory».



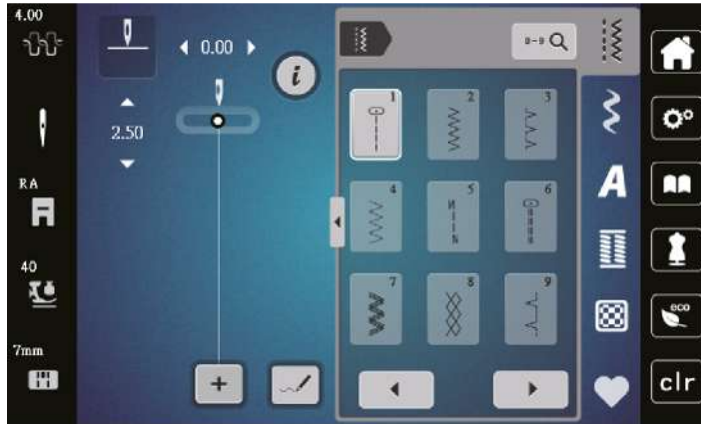
- > Tap «Delete».
- > Select a stitch pattern.



























- > Tap «Confirm».

6 Practical Stitches

6.1 Overview Practical Stitches



| Stitch patterns | Stitch number | Name | Description |
|---|---------------|------------------------|---|
|  | 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 | For finishing edges, sewing together and finishing knit fabrics. |
|  | 4 | Running Stitch | For darning and reinforcing fabric edges or attaching lace or elastic tape. |
|  | 5 | Securing Program | For automatic securing at the start 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. |

| | | | |
|---|----|----------------------------|---|
|  | 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 | Lycra Stitch | For flat joining seams, visible hems on lycra fabric and for stitching over seams in undergarments. |
|  | 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. |

6.2 Sewing Straight Stitch



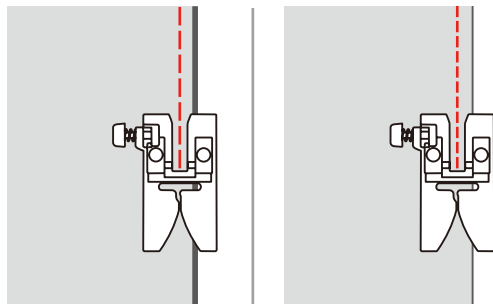
Adjust the stitch length for the sewing project, e.g. a long stitch for denim (approx. 3 – 4 mm) and a short stitch for delicate fabric (approx. 2 – 2.5 mm). Adjust the stitch length depending on the thread thickness, e.g. a long stitch (approx. 3 – 5 mm) for top-stitching with gimp.

Prerequisite:

- The Zigzag Foot (DA) is attached.



- > Tap «Practical Stitches».
- > Select the Straight Stitch No.1.



6.3 Securing with the Automatic Securing Program

Due to a determined number of 6 stitches sewn forwards and 6 stitches sewn in reverse, the securing is regular.

Prerequisite:

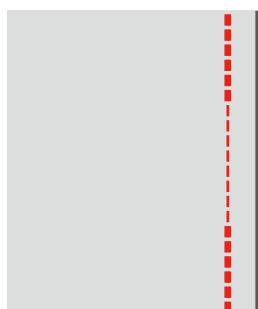
- The Zigzag Foot (DA) is attached.



- > Tap «Practical Stitches».
- > Select the Securing Program No. 5.
- > Press the foot control.
 - The machine secures automatically.
- > Sew the seam in the desired length.



- > Push the button «Tie-Off».
 - The machine secures automatically and stops at the end of the securing program.

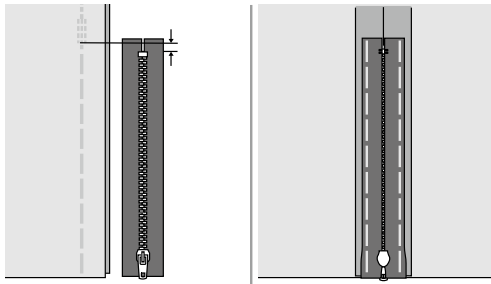


6.4 Sewing in the Zipper

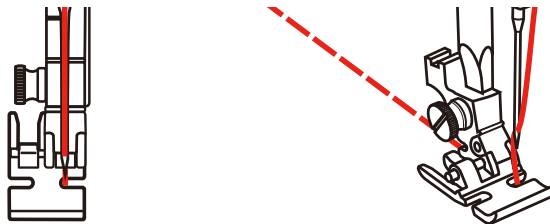


As the fabric feed can be difficult when starting to sew, it is recommended to hold the threads firmly or to pull the fabric slightly to the back for a few stitches or to sew 0.5 - 1 in (1 – 2 cm) reverse first.

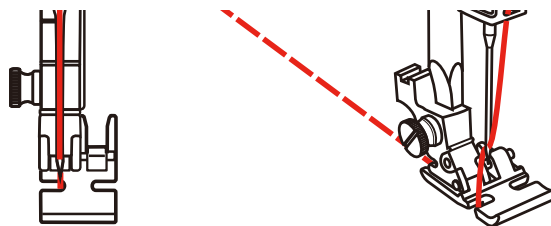
- > Attach the Zigzag Foot (DA).
- > Tap «Practical Stitches».
- > Select Straight Stitch No. 1.
- > Close the zipper length with long stitches.
- > Finish the seam allowances individually.
- > Iron the seam apart.
- > Open the zipper length.
- > Baste the zipper under the fabric so that the fabric folded edges meet over the center of the zipper.



- > Attach the Zipper Foot (JB).
- > When sewing the left-hand side of the zipper, secure the right-hand side of the presser foot pin using the holder.

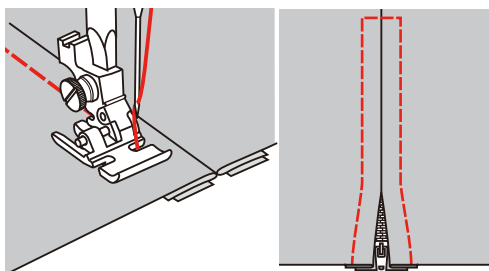


- > When sewing the right-hand side of the zipper, secure the left-hand side of the presser foot pin using the holder.



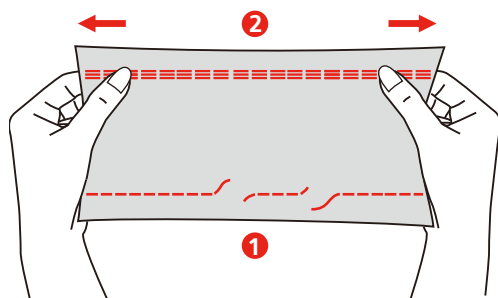
- > Sew the left-hand side of the open zipper from top to bottom.
- > Close the zipper up to approx. 5 cm from the end.
- > Sew over the lower end and the right-hand side of the zipper.
- > Stop before the zipper slider.
- > Move the needle into the lower position.
- > Raise the presser foot.
- > Open the zipper.
- > Finish sewing the right side.

- > Remove the tacked seam.



6.5 Sewing Triple Straight Stitch

The triple straight stitch is especially suitable for durable seams and for firm, densely woven fabrics such as denim and corduroy.



1 Straight Stitch

2 Triple Straight Stitch

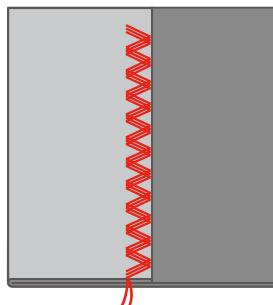
- > Attach the Zigzag Foot (DA).
- > Tap «Practical Stitches».
- > Select the Triple Straight Stitch No. 6.



6.6 Sewing Triple Zigzag

In firm fabrics, particularly for denim fabrics, deckchair covers, awnings. Hems on items that are frequently washed. Finish the seam edges first.

- > Attach the Zigzag Foot (DA).
- > Tap «Practical Stitches».
- > Select the Triple Zigzag No. 7.

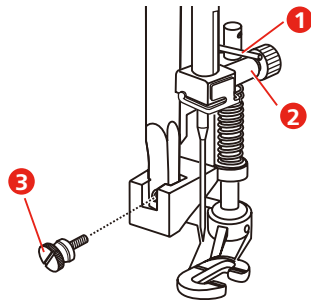


6.7 Manual Darning

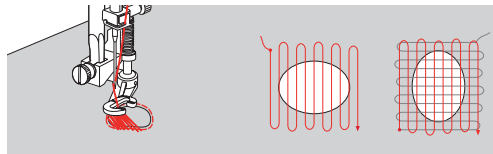
Used for darning holes or worn areas in all fabric types.

If the thread is lying on top and a poor stitch formation results, slow down the movement of the sewing project. If there are knots on the wrong side of the fabric, move the sewing project faster. When the thread breaks, guide the sewing project more consistently.

- > Remove the presser foot holder and attach the free motion foot (RX) to the presser foot holder bar.
 - The pin (1) should rest on the upper side of the needle clamping screw (2).
- > Press the Free-motion Embroidery Foot (RX) firmly from below with your index finger and tighten the screw (3).



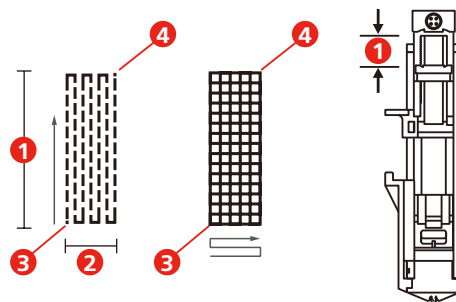
- > Tap «Practical Stitches».
- > Select Straight Stitch No. 1.
- > Lower the feed dog.
- > Attach the Slide-on Freearm Extension Table.
- > Hoop the sewing project in the round embroidery hoop (optional accessory).
 - The darning area remains evenly stretched and cannot be deformed.
- > Sew from the left to the right, guide the fabric evenly by hand without using pressure.
- > Move in curves when changing the direction to avoid holes and thread breakage.



6.8 Reinforced Darning, Automatic

The simple Darning Program No. 22 is especially suitable for quick darning of worn or damaged areas. It is recommended to use fine material as a backing for the worn and damaged areas or to stick an adhesive interlining. The simple Darning Program No. 22 replaces threads along the lengthwise grain in all materials. If the darning area becomes distorted, correct with the balance.

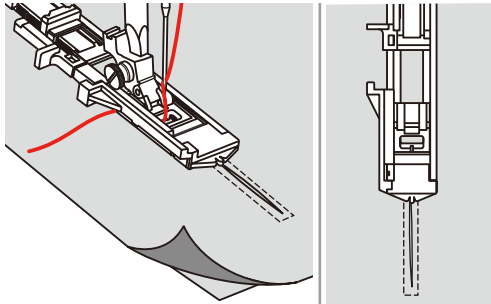
The reinforced Darning Program No. 23 is especially suitable for quick darning of thin areas or snags. The reinforced Darning Program No. 23 replaces threads along the lengthwise or transverse grain in all materials.



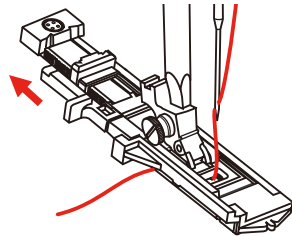
- | | | | |
|---|----------------------|---|-------|
| 1 | The Length of Sewing | 3 | Start |
| 2 | The Width of Sewing | 4 | Stop |

Prerequisite:

- The underlay material is fixed with basting stitches.
- > Attach the Buttonhole Foot with Slide (RJ).
- > Tap «Practical Stitches».
- > Select the reinforced Darning Program No. 23.
- > Lower the presser foot over the center of the tear.



- > Adjust the button holder on the buttonhole foot to the desired length. The size of one darning sequence is variable.

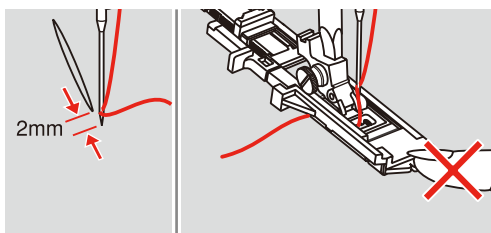


- The maximum sewing length is 2.6 cm (1 in), and the maximum sewing width is 7 mm (9/32 in).

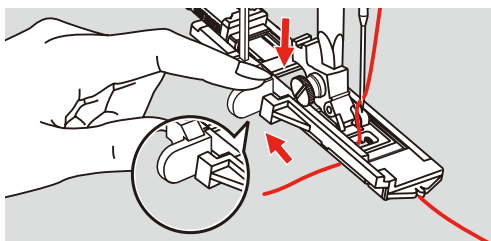
- > Position the fabric so that the needle is 2 mm (1/16 in) in front of the area to be darned.
- > Lower the presser foot.



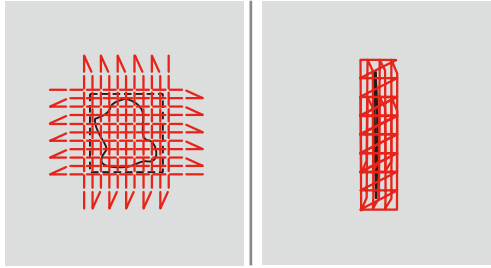
When lowering the presser foot, do not push the front of the presser foot, otherwise the darning will not be sewn in the correct size.



- > Lead the upper thread down through the hole in the presser foot.
- > Pull down the buttonhole lever as far as possible.
 - The buttonhole lever is positioned behind the bracket on the buttonhole foot.
- > Hold the upper thread to the left side vertically to the Buttonhole Foot with Slide and start sewing.



- > If the sewing range is too big to sew, then we recommend to sew the area several times (or cross sew) to get better sewing result.

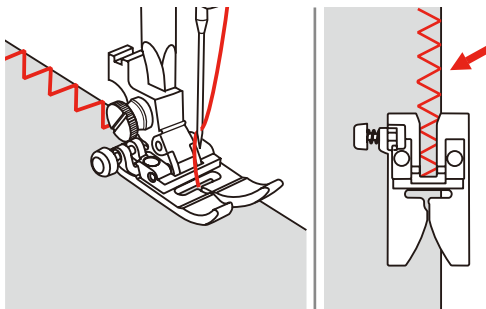


6.9 Finishing Edges

The zigzag stitch is suitable for finishing all types of fabric. Use darning thread for fine materials.

Prerequisite:

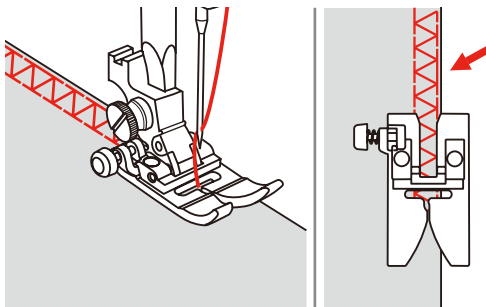
- The edge of the fabric should lie flat and not roll.
- > Attach the Zigzag Foot (DA).
 - > Tap «Practical Stitches».
 - > Neither select too wide a stitch nor too long a stitch.
 - > Guide the edge of the fabric into the center of the presser foot, so that the needle goes into the fabric on one side and over the edge into the air on the other side.



6.10 Sewing Double Overlock

A double overlock seam is suitable for looser knit fabric and for cross seams in woven fabric. When working with jersey, a jersey needle should be used to prevent damaging the knit fabric. When sewing stretch materials, use a stretch needle.

- > Attach the Zigzag Foot (DA).
- > Tap «Practical Stitches».
- > Select the Double Overlock No. 10.

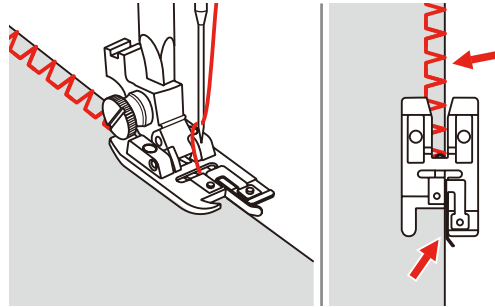


6.11 Sewing Vari Overlock

Sewing overcasting stitches along the edges of fabric to prevent them from fraying. When sewing stretch materials, use a stretch needle.



- > Attach the Overlock Foot (DI).
- > Tap «Practical Stitches».
- > Select the Double Overlock No. 3.
- > Sew the fabric with the fabric edge against the guide of the foot.

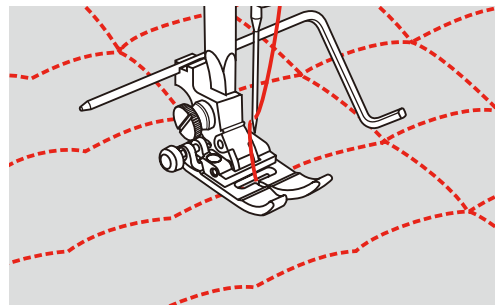


6.12 Edgestitching Using the Seam Guide

When sewing parallel wide top-stitching lines, we recommend guiding the seam guide along a sewn line.



- > Attach the Zigzag Foot (DA).
- > Tap «Practical Stitches».
- > Select Straight Stitch No. 1.
- > Insert the seam guide into the hole of the presser foot.
- > Sew the first row and move over the fabric to sew subsequent rows with the guide riding along the previous row of stitching.



6.13 Sewing a Narrow Hem

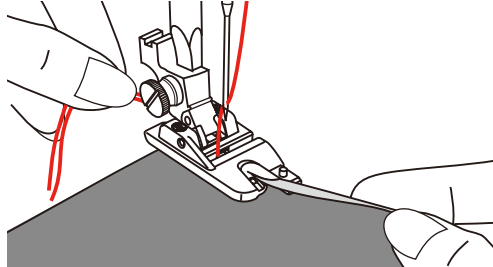


- > Attach the Hemmer Foot (DG) optional accessory.
- > Tap «Practical Stitches».
- > Select the Straight Stitch No.1.
- > Fold the edge of the fabric by approx. 3 mm, then fold it again by approx. 5 cm along the edge of the fabric.

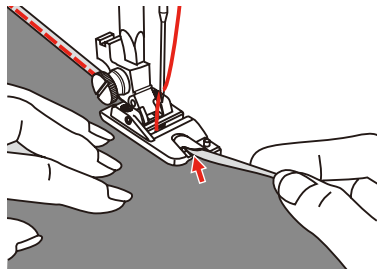


- > Place the edge of the fabric with the left-hand side of the fabric facing up under the presser foot. The fabric under the presser foot should be just less than the width of the presser foot.

- > Sew 4 – 5 stitches.
- > Raise the needle and presser foot.
- > Pull the fabric backwards by about 10 – 15 cm. Do not cut the thread.
- > Hold the 4 threads in your left hand. Pull the edge of the fabric into the spiral guide on the hemmer foot using your right hand.

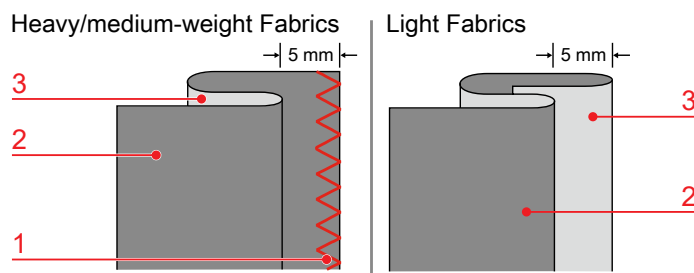


- > Lower the presser foot.
- > Continue sewing slowly while slightly folding the cut edge of the fabric in front of the hemmer foot and holding it to the left. Guide the edge of the fabric evenly into the spiral guide on the hemmer foot and sew.



6.14 Sewing Blind Hems

For invisible hems in medium to heavy weight cotton, wool and blended materials.



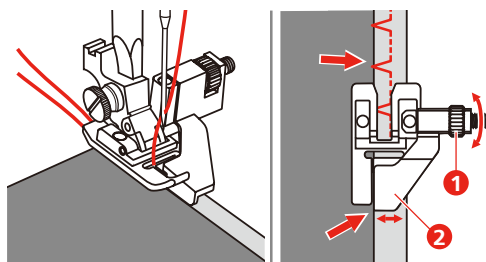
- | | |
|--|---------------------------------|
| <p>1 Finishing Seam</p> <p>2 Left-hand Fabric Side</p> | <p>3 Right-hand Fabric Side</p> |
|--|---------------------------------|

Prerequisite:

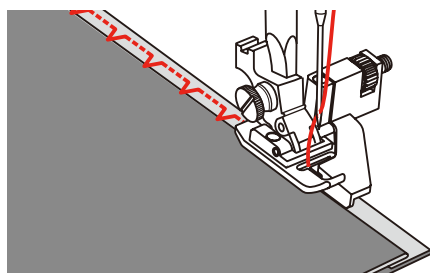
- The fabric edges are finished.
- > Attach the Blindstitch Foot (DM).
- > Tap «Practical Stitches».
- > Select the Blindstitch No. 9.
- > Fold the fabric as illustrated with the wrong side up.
- > Place the fabric beneath the presser foot.
- > Turn the handwheel counterclockwise until the needle is all the way to the left. The needle should just pierce the fold in the fabric (3). If it does not, adjust the stitch width accordingly.



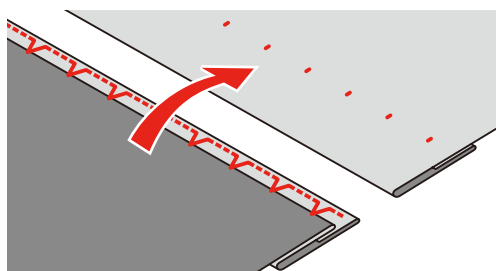
- > Adjust the guide (2) by turning the dial (1) so that the guide is positioned directly against the fold.



- > Sew slowly while guiding the fabric carefully along the edge of the guide.



- > Turn over the fabric.

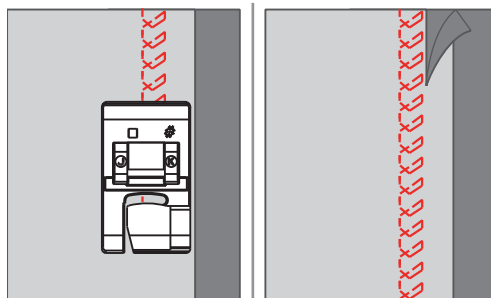


6.15 Sewing Visible Hems

The visible hem is particularly suitable for elastic seams in tricot made of cotton, wool, synthetic and mixed fibers.



- > Attach the Embroidery Foot (JK).
- > Tap «Practical Stitches».
- > Select the Tricot Stitch No. 14.
- > Iron the hem and baste if necessary.
- > Reduce the presser foot pressure if necessary.
- > Sew the hem in the desired depth on the right side of the fabric.
- > Trim off the remaining fabric on the wrong side of the fabric.



6.16 Sewing Basting Stitches

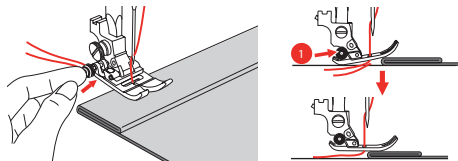
When sewing basting stitches, it is recommended to use a fine darning thread. This is easier to remove. The longest stitch variant comes up to 5 mm. The recommended stitch length is 3.5 – 5 mm. The basting stitch is suitable for sewing projects where a very long stitch length is required.



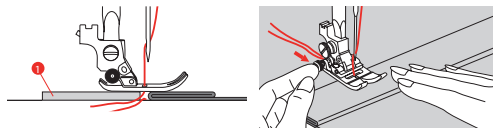
- > Attach the Zigzag Foot (DA).
- > Tap «Practical Stitches».
- > Select the Basting Stitch No. 21.
- > Select the stitch length.
- > Pin the fabric layers at a right angle to basting direction to prevent the layers from slipping.
- > Sew 3 – 4 securing stitches at the beginning and at the end.

6.17 Sew Thick Areas

- > Attach the Zigzag Foot (DA).
 - The black button on the left side of the presser foot will lock the presser foot in a horizontal position if you push it in before lowering the presser foot (1). This ensures even feeding at the beginning of a seam and helps when sewing multiple layers of fabric such as sewing over seams when hemming jeans.
- > Once the highest point has been reached, lower the needle and raise the presser foot.
- > Press the foot tip and the black knob, lower the presser foot and continue sewing.
 - The black button releases automatically after sewing few stitches.



- > To support the presser foot when manually guiding the fabric and sewing from the folded side, place one, two or three small plates from the height compensation tool (1) behind the needle under the presser foot.



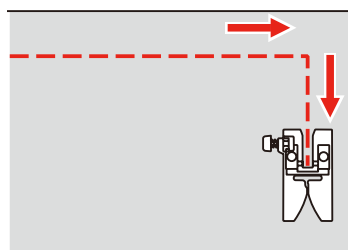
6.18 Sewing Corners



- > Stop the machine when the corner is reached.
- > Pierce the needle into the fabric.



- > Raise the presser foot.
- > Use the needle as a pivot and turn the fabric.
- > Lower the presser foot and continue sewing.



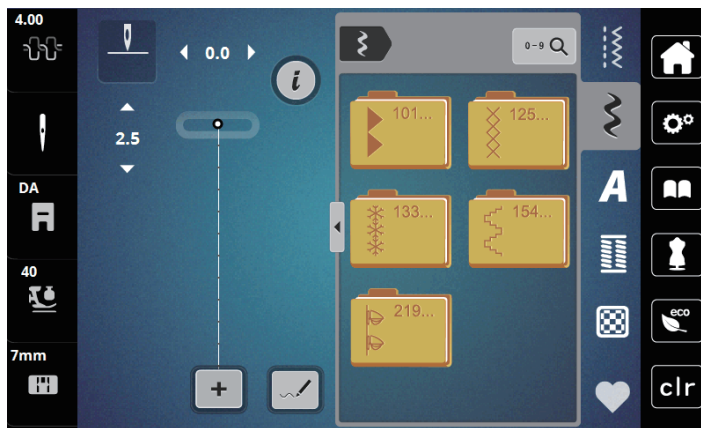
7 Decorative Stitches

7.1 Overview Decorative Stitches

simple or more complex decorative stitches should be selected to best suit the material.

- Decorative stitches which are programmed with simple straight stitches are particularly appropriate for light-weight materials, e.g. the Decorative stitch No. 142.
- Decorative stitches which are programmed with triple straight stitches or with a few satin stitches are particularly appropriate for medium-weight materials, e.g. Decorative stitch No. 152.
- Decorative stitches which are programmed with satin stitches are particularly appropriate for medium-weight materials, e.g. Decorative stitch No. 101.

For a perfect stitch formation, it is of advantage to use the same thread color for upper and bobbin thread and a stabilizer. With pile or longfiber materials, it is recommended to use an additional water-soluble stabilizer, which can be easily removed after sewing, on the right side of the fabric.



| Decorative Stitch | Stitch Number | Name |
|-------------------|---------------|---------------------|
| | 101-124 | Satin Stitches |
| | 125-132 | Cross Stitches |
| | 133-153 | Nature Stitches |
| | 154-218 | Ornamental Stitches |
| | 219-233 | Children Stitches |

7.2 Altering the Stitch Density

With satin stitches (e. g. No. 101) the stitch density can be altered. A larger number means a larger stitch distance, i.e. the stitch is sewn less densely. For a high stitch density, the number must be decreased. Stitch density 1 is the minimum. The set stitch pattern length is not changed by altering the stitch density.

- > Select the satin stitch.
- > Tap «i-Dialog».



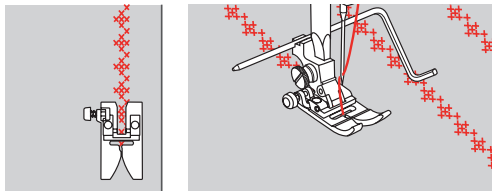
- > Tap «Altering the Pattern Length/Stitch Density».
- > To increase the stitch density, tap (1) «Minus».
- > To reduce the stitch density, tap (1) «Plus».



7.3 Sewing Cross Stitches

Cross stitch embroidery is a traditional technique and an addition to the other decorative stitches. If the cross stitches are sewn on fabrics with a linen structure, they look as if they were hand-stitched. When cross stitches are sewn with embroidery yarn, the stitch pattern appears fuller. Cross stitches are particularly used for home furnishing, trimmings on garments and embellishing in general. As every following line refers to the first row, it is important to stitch the first row in a straight line.

- > Attach the Zigzag Foot (DA) or the Embroidery Foot (JK) or the Open embroidery Foot (DN) (optional accessory).
- > Select a cross stitch of the Decorative stitch No. 125-132 and combine it as desired.
- > Stitch the first row using the seam guide to sew a straight line.
- > Stitch the second row next to the first at a distance of one presser foot's width or using the seam guide.

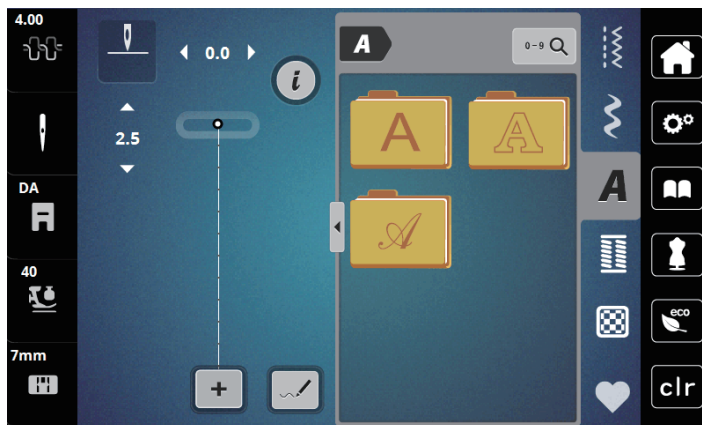


8 Alphabets

8.1 Overview Alphabet

Block, Double block and Script alphabets can be sewn in two different sizes, in upper and lower case letters.

For a perfect stitch formation, it is recommended to use the same thread color for upper and bobbin threads. The fabric can be reinforced with embroidery stabilizer on the wrong side. Use an additional water-soluble stabilizer on the right side of pile or napped fabrics e. g. terrycloth.



| Stitch Pattern | Name |
|----------------|----------------|
| | Block Alphabet |
| | Double-Block |

8.2 Creating Lettering



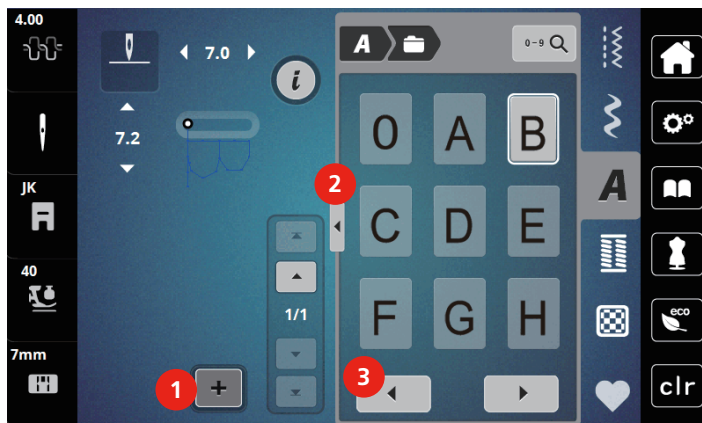
Sewing a test sample with the thread, the actual fabric and stabilizer you intend to use is recommended. Make sure that the fabric is fed evenly and lightly, ensuring that it cannot push against or catch on anything. The fabric shouldn't be pulled, pushed or held back.





- > Select «Alphabets».
- > Select the font.



- > To create a combination, tap «Combination Mode/Single Mode» (1).
- > To open the expanded input mode, tap «Show Alphabet» (2).



- > Select the letters.

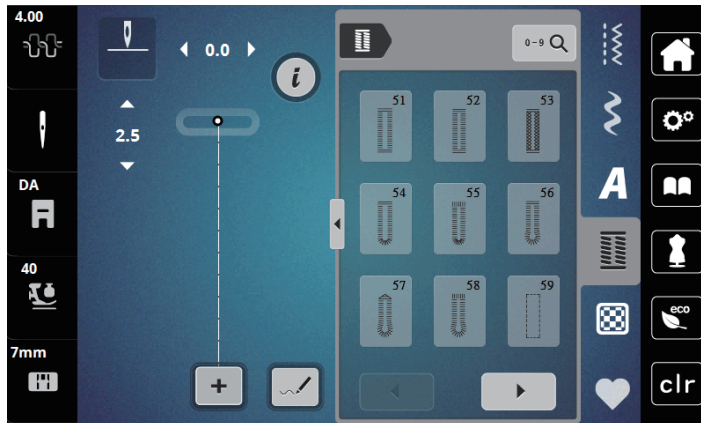
-  > To display further letters, tap «Scroll Left» (3).
-  > To delete single letters of the entered text, tap «Deleting».
- > To close the expanded input mode, tap «Show Alphabet» (1) again.




















9 Buttonholes

9.1 Overview Buttonholes

To be able to create the right buttonhole for every button, every purpose and also for every garment, the bennette b79 comes with an extensive collection of buttonholes. The corresponding button can be sewn on automatically. Eyelets can also be sewn.

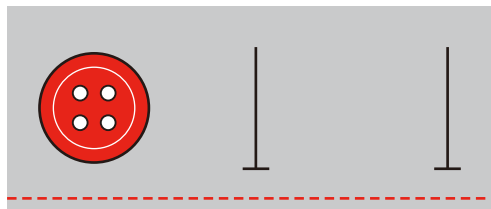


| Stitch patterns | Stitch number | Name | Description |
|---|---------------|--|--|
|  | 51 | Standard Buttonhole | For light to medium-weight fabrics. e.g. blouses, dresses and bed linen. |
|  | 52 | Narrow Standard Buttonhole | For light to medium-weight fabrics, e.g. blouses, dresses, children's and baby clothes, crafts. |
|  | 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. |

| | | | |
|--|----|---|--|
|  | 60 | Button Sew-on Program | Sews buttons with 2 or 4 holes. |
|  | 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. |
|  | 63 | Heirloom Buttonhole | For handlook stitching effects on clothes and handicrafts on light to medium-weight fabrics. |
|  | 64 | Double-rounded Buttonhole | For medium-weight to heavy fabrics. |
|  | 66 | Narrow Buttonhole with Double Pointed Bartack | For decorative buttonholes in medium-weight fabrics, e.g. dresses and jackets. |
|  | 69 | Decorative Buttonhole with Double Pointed Bartack | For decorative buttonholes in firmer woven fabrics. |
|  | 71 | Stretch Buttonhole | For jeans or stretch fabric with a coarse weave. |

9.2 Marking Buttonholes

- > Mark the positions of the buttonhole on the fabric.
 - The maximum buttonhole length is 3 cm (1 3/16 in). (Total of diameter + thickness of button.)
- > The size of the buttonhole is determined by the button inserted in the buttonholder plate.

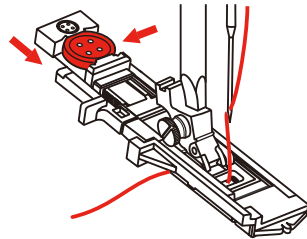


9.3 Sewing a Buttonhole Automatically

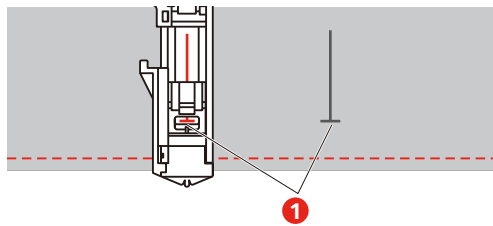


[Video](#)

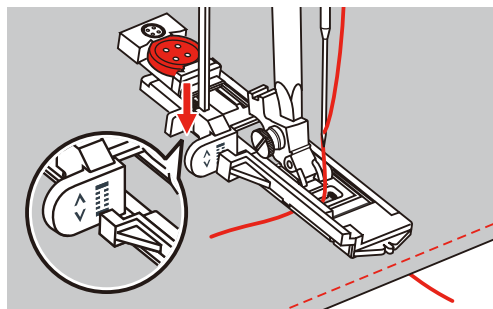
- > Attach the Buttonhole Foot with Slide (RJ).
- > Pull out the button holder plate and insert the button.
- > Pass the thread through the hole in the presser foot and then place it under the foot.
- > Tap «Buttonholes».
- > Select the buttonhole stitch.



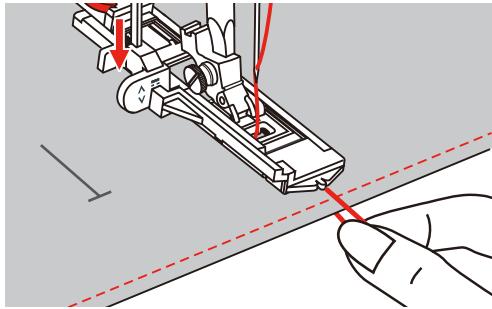
- > Adjust the stitch width and stitch length to the desired width and density.
- > Position the fabric under the presser foot so that marking of the centerline is aligned with the starting point (1).
- > Make sure that there is no gap between the presser foot tip and the plastic part.



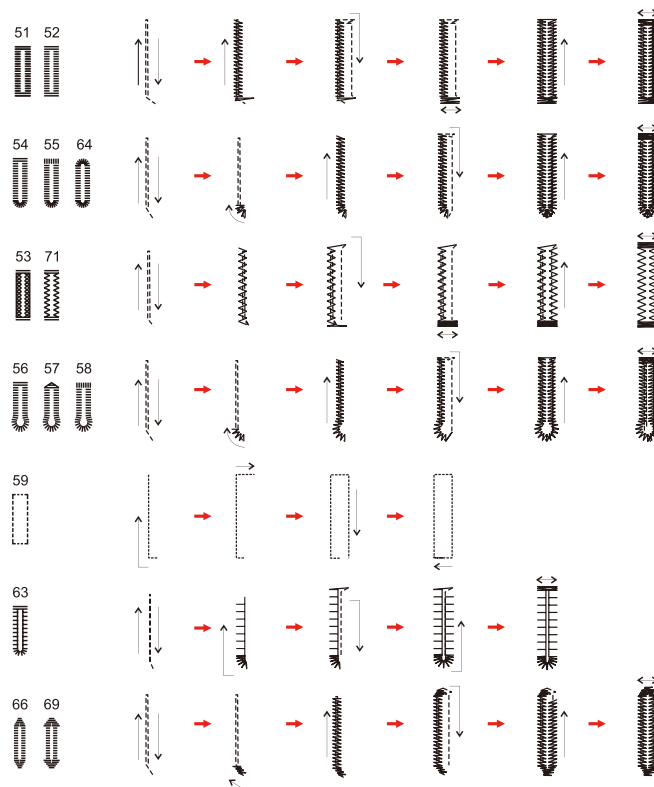
- > Press the button «Start/Stop».
 - While the buttonhole lever is raised, the display shows an error message to lower the buttonhole lever.
- > Pull the buttonhole lever down as far as possible until it clicks into place.



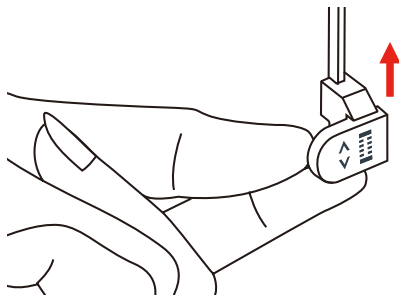
- > Hold the upper thread vertically to the buttonhole foot with slide and start sewing.
- After the buttonhole has been sewn, the machine automatically sews a securing stitch before stopping.



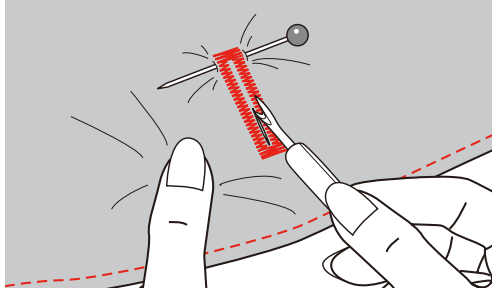
- The buttonholes are sewn backwards from the front of the presser foot as illustrated.



- > Raise the presser foot and cut the thread.
- > After sewing the buttonhole, raise the buttonhole lever to the stop.



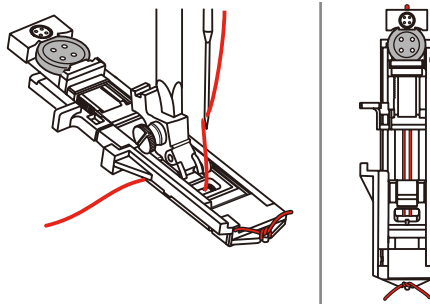
- > Cut the buttonhole open and make sure that the beads are not cut on either side. Use a pin as a stop at the bartack to avoid cutting too far.



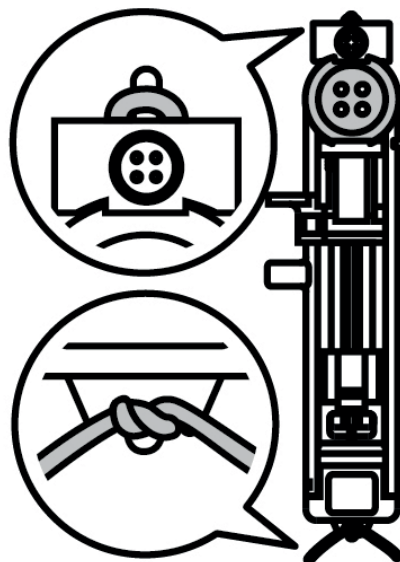
9.4 Reinforce Buttonhole

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

- > Attach the Buttonhole Foot with Slide (RJ).
- > Pull out the button holder plate and insert the button.
- > Pass the thread through the hole in the presser foot and then place it under the foot.

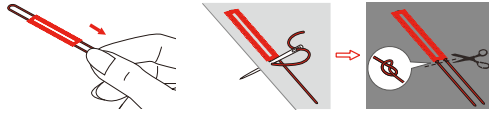


- > Bring the two cord ends to the front of the foot and insert them in the grooves, then temporarily tie them there.
- > The stitch width and stitch length has to be adjusted before the sewing starts.



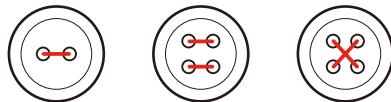
- > Lower the presser foot and sew the buttonhole.
 - The buttonhole will sew over the cord, covering it.
- > Pull the cord loop until the loop disappears in the bartack.

- > Pull the cord ends with the sewing needle to the back and knot or secure them.



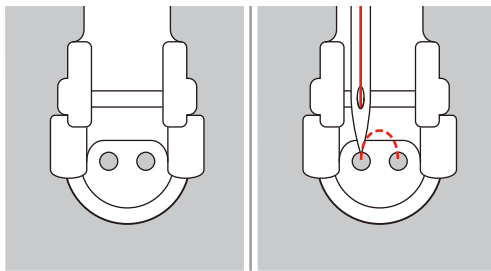
9.5 Sewing On Buttons

The Button Sew-on Program can be used to sew on buttons with two or four holes, press studs or snap fasteners. To enhance the stability, the Button Sew-on Program always stitches into the left hole of the button. As for a button with 4 holes, the two front holes should be sewn first.

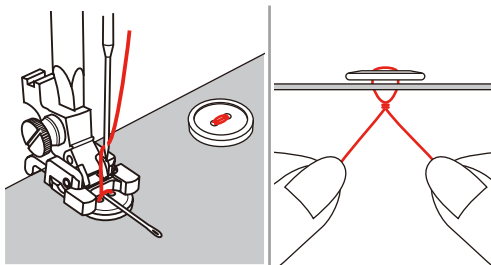


The first securing stitch of the Button Sew-on Program always stitches into the left hole of the button.

- > Attach the Button Sew-on Foot (RC).
- > Tap «Buttonholes».
- > Lower the feed dog.
- > Select the Button Sew-on Program No. 60.
- > Fit the button into the sewing project.
- > Check distances between holes with the handwheel. If necessary, alter the stitch width.



- > Hold the threads when starting to sew.
 - The machine sews the buttonhole program and stops automatically.
 - When a stem is needed, place a darning needle on the buttonhole and sew.
- > Pull the two bobbin threads until the thread ends of the upper threads are visible on the wrong side of the fabric.
- > Tie the threads manually.



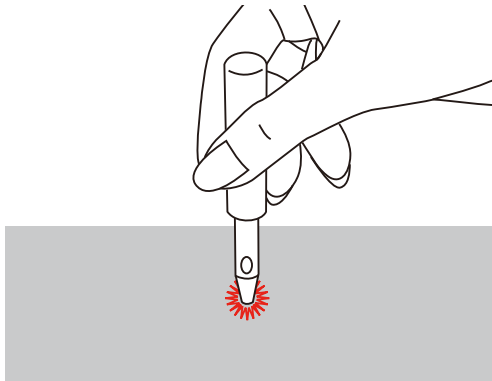
9.6 Sewing Eyelets



For increased stability sew the eyelet twice. Adjust stitch with the balance if necessary.

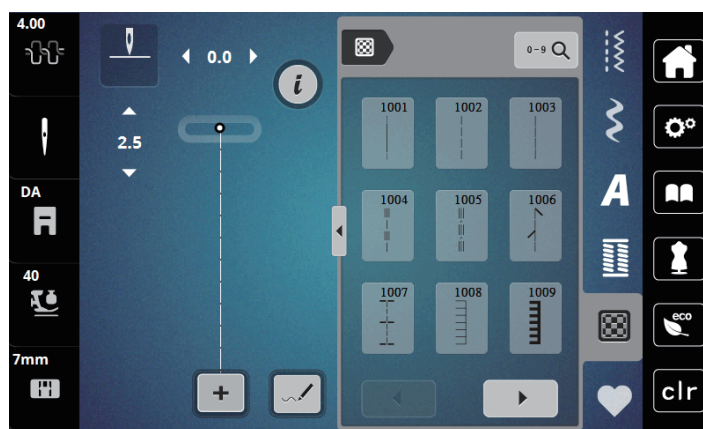


- > Attach the Zigzag Foot (DA) or the Embroidery Foot (JK) or the Open embroidery Foot (DN) (optional accessory).
- > Tap «Buttonholes».
- > Select the Eyelet Program No. 61 or No. 62.
- > To alter the size of the eyelet, turn the «Upper Multi-function Knob» or the «Lower Multi-function Knob».
- > Sew the Eyelet Program.
 - The machine stops automatically at the end of the Eyelet Program.
- > Use an awl, punch pliers or a hole punch to open the eyelet.



10 Quilting

10.1 Overview Quilt Stitches



| Stitch Pattern | Stitch Number | Name | Description |
|----------------|---------------|--|--|
| | 1001 | Quilting, Securing Program | To secure at the sewing start and end with short stitches forward. |
| | 1002 | Quilting, Straight Stitch | Straight Stitch 2 mm stitch length, to join patchwork parts. |
| | 1003 | Piecing Stitch/Straight Stitch | Straight Stitch at 3 mm stitch length. |
| | 1004 | Quilting, Straight Stitch 1005 | For machine quilting with a triple straight stitch. |
| | 1006 | Decorative quilt stitch variations 1007, 1010-1012, 1015-1019, 1025-1027 | For "Crazy Patchwork" and embellishing. |
| | 1008 | Blanketstitch | For appliqué and sewing on ribbons. |
| | 1009 | Double Blanketstitch | For appliqué and sewing on ribbons. |
| | 1013 | Dual Blanketstitch | To edgestitch between two appliqués, "Crazy Patchwork". |
| | 1014 | Double Blanketstitch dual | To edgestitch between two appliqués, "Crazy Patchwork". |
| | 1020 | Feather Stitch Variations 1021-1023 | For "Crazy Patchwork" and embellishing. |
| | 1024 | Stippling Stitch/Stippling Quilt Stitch | Imitation of stipple quilting. |
| | 1029 | Feather Stitch 1028, 1033 | For "Crazy Patchwork" and embellishing. |
| | 1036 | Hand-look Quilt Stitch | Imitation of hand-look quilt stitch with monofilament. |
| | 1037 | Hand-look Quilt Stitch | Imitation of hand-look quilt stitch with monofilament. |

10.2 Quilting, Securing Program



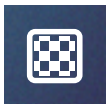
- > Attach the Zigzag Foot (DA).
- > Tap «Quilting Stitches».
- > Select Quilt Stitch Pattern No. 1001.
- > Press the foot control.
 - The machine sews 5 stitches forward automatically when sewing is started.



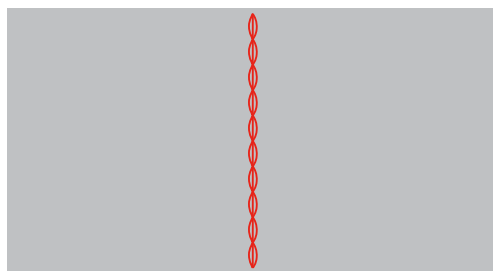
- > Sew the seam in the desired length.
- > Push the button «Tie-Off».
 - The machine sews 5 stitches forward automatically and stops automatically at the end of the Securing Program.

10.3 Sewing Hand-look Quilt Stitches

Hand-look quilt stitches are suitable for all fabrics and sewing projects that should look like hand-sewn. It is recommended to use a monofilament thread for the upper thread and a cotton embroidery thread for the bobbin thread. The sewing speed should be moderate to prevent the monofilament from breaking. If required, the upper thread tension and the balance can be adjusted to the sewing project and the desired quilt stitch.



- > Attach the Embroidery Foot (JK) / Zigzag Foot (DA).
- > Tap «Quilting Stitches».
- > Select Hand-look Quilt Stitch No. 1036 or 1037.
- > If necessary, adjust the upper thread tension and the balance to suit the sewing project and the desired quilt stitch.
- > To start the machine, press the foot control or press the button «Start/Stop».



10.4 Guiding the Quilt Work Freely



Quilting gloves with rubber nubs make it easier to guide the fabric.

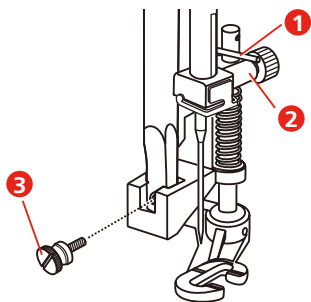
It is recommended to use the extension table (optional accessory) and the Free Hand System. With free motion quilting, it is of advantage to quilt from the center outwards and to guide the fabric using smooth, round movements to form the design of your choice. Free motion quilting and darning are based on the same free motion principles.

With stipple quilting, entire surfaces of the fabric are filled with quilt stitches. The single lines of stitching are rounded and never cross one another.

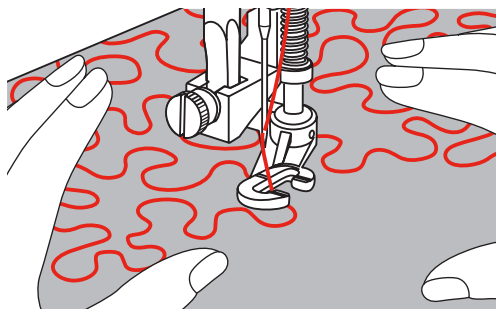
Prerequisite:

- The top layer, the batting and the backing are pinned together or basted.
- > Lower the feed dog.
- > Attach the Free-motion Embroidery Foot (RX) to the presser foot holder bar.
 - The pin (1) should rest on the upper side of the needle clamping screw (2).

- > Press the Free-motion Embroidery Foot (RX) firmly from below with your index finger and tighten the screw (3).



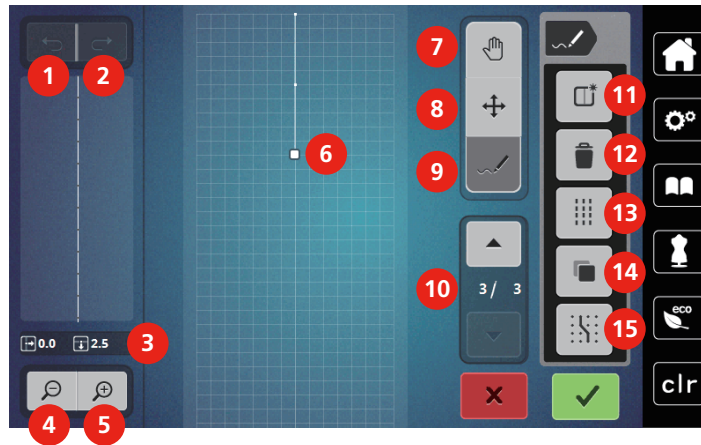
- > Tap «Practical Stitches».
- > Select Straight Stitch No. 1.
- > If necessary adjust the upper thread tension according to the sewing project.
- > To start the machine, press the foot control or push the button «Start/Stop».
- > Hold both hands close to the presser foot like an embroidery hoop to guide the fabric.
- > If the thread is lying on top of the fabric, slow down the movement.
- > If there are knots on the wrong side of the fabric, move the fabric more quickly.



11 Stitch Designer

11.1 Overview Stitch Designer

Buttonholes and darning stitches cannot be edited in the Stitch Designer.



- | | | | |
|---|----------------------------------|----|-------------------------------|
| 1 | Back | 9 | Inserting/Editing a Stitch |
| 2 | Redo | 10 | Scrolling Through Points |
| 3 | Point Position | 11 | Creating a New Stitch Pattern |
| 4 | Zoom Out | 12 | Delete |
| 5 | Zoom In | 13 | Triple Stitch |
| 6 | Stitch Pattern View | 14 | Duplicate |
| 7 | Move View | 15 | Engaging at the Grid |
| 8 | Shifting Points/Selecting Points | | |

11.2 Creating your Own Stitch Pattern



The stitch patterns which have been created in the Stitch Designer can be saved in your «Personal memory».

The Stitch Designer allows creating your personal stitch patterns as well as editing existing stitch patterns. You can create your own stitch patterns on the display by free movement.

The position of the relevant active point is also displayed to the left of the screen. The distance from the point to the centerline in millimeters is displayed horizontally. The vertical distance of the point to the previous point is also indicated in millimeters.

Buttonholes and darning stitches cannot be edited in the Stitch Designer.



- > Tap «Stitch Designer».
 - The last active stitch pattern appears in the «Stitch Pattern View» and can be edited.
 - The guides are displayed, the spacing is 0.5 mm.
 - The function «Inserting/Editing a Stitch» is activated.



- > To remove the displayed stitch pattern, tap «Create a New Stitch Pattern».
- > Add a point on the display.
- > Add more points on the display as desired.
- > If a stitch design ends with reverse stitches or is a closed shape, a forward stitch must be inserted on the same vertical axis as the first stitch so that the design can be sewn continuously.
 - The preview window on the left side of the display shows whether a stitch pattern is sewn continuously or not.

- > Tap «Confirm».
 - The stitch design is displayed and can be sewn.
 - Lines longer than 3 mm are automatically divided into sections of equal length.

Creating Stitch Designs Using Screen Dots



- > To show grid points, tap «Snap to Grid».
 - Every inserted point is automatically placed on the nearest grid point.

Free hand drawing

- > Using the finger or the touchscreen pen, touch the stitch pattern view and draw a stitch design.

11.3 Editing the View



- > Select a stitch pattern, alphabet or buttonhole.
- > Tap «Stitch Designer».



- > To minimize the stitch pattern view, tap «Zoom Out».



- > To enlarge the minimized stitch pattern view, tap «Zoom In».



- > Tap «Move View».
- > Moving the view of the design.

11.4 Inserting Points

A new point is inserted after a current position indicated by a white dot.



- > Select a stitch pattern or alphabet.
- > Tap «Stitch Designer».



- > To show grid points, tap «Snap to Grid».
 - Every inserted point is automatically placed on the nearest grid point.



- > To select the point, tap «Scroll Up» and «Scroll Down».
- > Tap the desired position in the «Stitch Pattern View».
 - The new point is inserted after the selected point and can be moved to the desired position with the multi-function knobs.



- > To undo the last work step, tap «Undo Entries».
- > To redo the last work step, tap «Redo Entries».

11.5 Relocating the Points



- > Select a stitch pattern or alphabet.
- > Tap «Stitch Designer».



- > Tap «Relocate Points».
- > Touch the desired point in the stitch pattern view to select the point.



- > To add the previous point to the selection, tap «Scroll Up».



- > To add the following point to the selection, tap «Scroll Down».
- > Turn the «Upper Multi-function Knob» to relocate the selected points horizontally.
- > Turn the «Lower Multi-function Knob» to relocate the selected points vertically.

11.6 Duplicating Points



- > Select a stitch pattern or alphabet.
- > Tap «Stitch Designer».



- > Tap «Relocate Points».
- > Touch the desired point in the stitch pattern view to select the point.



- > To add the previous point to the selection, tap «Scroll Up».



- > To add the following point to the selection, tap «Scroll Down».



- > Tap «Duplicate».
 - All selected points are duplicated.
 - The direction, type and length of the activated points are applied.

11.7 Deleting Points



- > Select a stitch pattern or alphabet.
- > Tap «Stitch Designer».



- > Tap «Relocate Points».
- > Tap the desired point in the stitch pattern view to select the point.



- > To add the previous point to the selection, tap «Scroll Up».



- > To add the following point to the selection, tap «Scroll Down».



- > To delete all selected points of the stitch pattern, tap «Delete».

11.8 Activating the Triple Stitch



- > Select a stitch pattern or alphabet.
- > Tap «Stitch Designer».



- > Tap «Relocate Points».
- > Touch the desired point in the stitch pattern view to select the point.



- > To add the previous point to the selection, tap «Scroll Up».



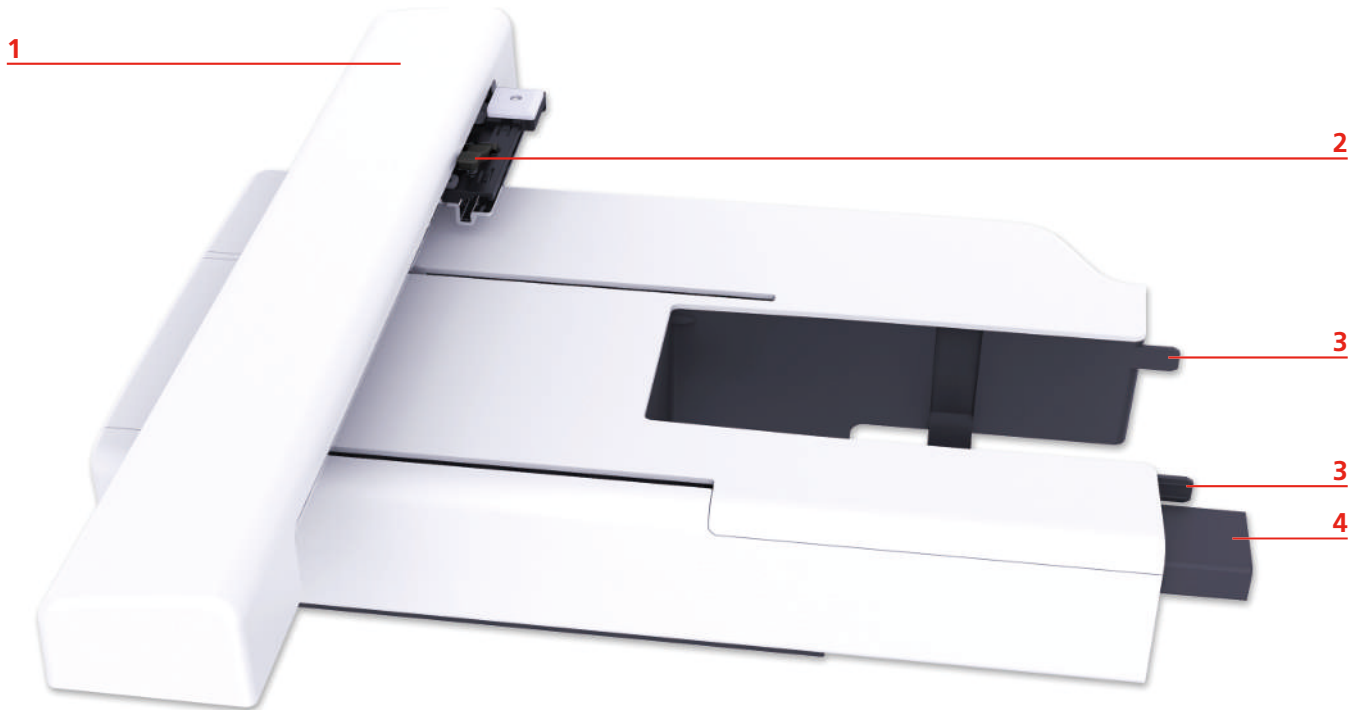
- > To add the following point to the selection, tap «Scroll Down».



- > To set the triple stitch for the marked points, tap «Triple Stitch».
 - If only one point is selected, the stitch in front of the selected point is activated.
- > To deactivate the triple stitch for the marked points, tap «Triple Stitch» again.

12 My bernette Embroidery

12.1 Overview Embroidery Module

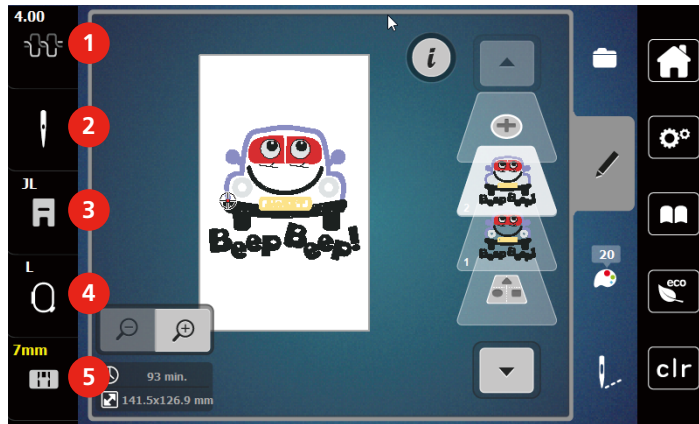


- | | | | |
|---|--------------------------------|---|---------------------------|
| 1 | Embroidery Arm | 4 | Connection to the Machine |
| 2 | Coupling for Securing the Hoop | 5 | Release Button |
| 3 | Guide Rails for the Machine | | |



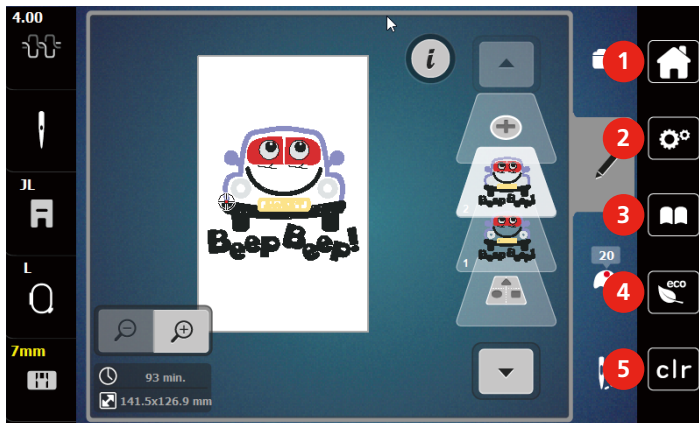
12.2 Overview User Interface

Overview Functions/Visual Information



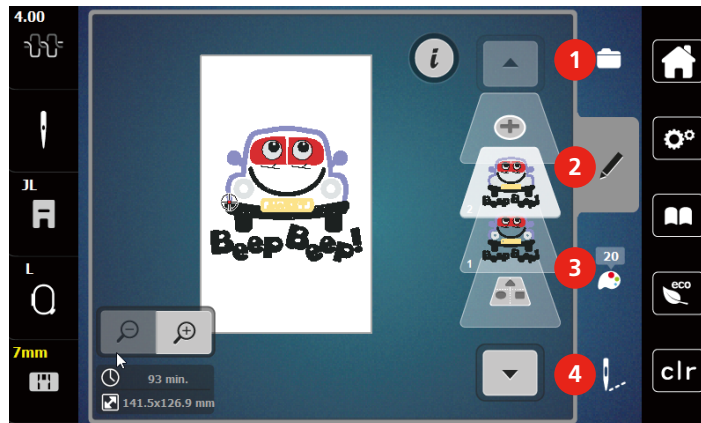
- | | | | |
|---|---|---|----------------------------|
| 1 | Upper Thread Tension | 4 | Hoop Indicator/Select Hoop |
| 2 | Needle Selection | 5 | Stitch Plate Selection |
| 3 | Presser Foot Indicator/Presser Foot Selection | | |

Overview System Settings



- | | | | |
|---|---------------|---|-------------------------|
| 1 | Home | 4 | eco Mode |
| 2 | Setup Program | 5 | Back to Default Setting |
| 3 | Tutorial | | |

Overview Selection Menu Embroidery



- | | | | |
|---|-------------|---|---------------------|
| 1 | «Selection» | 3 | «Color Information» |
| 2 | «Edit» | 4 | «Embroidery» |

12.3 Important Embroidery Information

Embroidery File Format

Your machine can read embroidery designs that have been created using the BERNINA Embroidery Software and exported as EXP files. When they are exported, a BMP file and an INF file are created alongside the actual embroidery file. The BMP file provides a preview of the embroidery design and the INF file provides the information on the thread colors. If the INF file is missing, the embroidery design cannot be displayed in the correct thread colors and will instead be displayed in default colors. You can set the colors manually in the editing functions.

BERNINA International AG cannot guarantee that embroidery designs that have not been created or converted using the BERNINA Embroidery Software will be correctly read and embroidered.

Design Size

You can increase or decrease the size of embroidery designs by up to 20 % without loss of quality on the machine or on a PC using the BERNINA embroidery software.

Upper Thread

Good quality is important for embroidery threads so that the embroidery is not affected by thread irregularities or thread breakage.

Embroidery is particularly effective if you use 40wt glossy rayon or polyester embroidery threads as upper threads. They are available in a wide range of colors for beautiful embroidery.

- Polyester with a brilliant sheen is a hard-wearing, colorfast thread and has a high tensile strength which is suitable for all types of embroidery.
- Rayon is a fine, natural-like fiber with a silky sheen that is suitable for fine embroidery which is not subjected to too much strain.
- Metallic thread is a light to medium-weight thread suitable for special effects in embroidery.
- When working with metallic threads, the automatic bobbin thread cutter should be deactivated. The other thread cutters shouldn't be used either because the knives are likely to wear off very quickly.

- When using metallic threads, the speed and the upper thread tension should be reduced.



Bobbin Thread

In most cases black or white bobbin thread is used for embroidering. When both sides should have the same look, it is recommended to use the same color for bobbin and upper thread.



- Embroidery bobbin thread is an especially soft and light polyester thread which is suited to be used as bobbin thread. This special bobbin thread ensures a steady thread tension and an optimal intertwining of the upper and bobbin thread.

Choosing the Embroidery Design

Simple designs with a low stitch count are suitable for embroidery on fine material. Densely embroidered designs, e. g. embroidered designs with multiple color and embroidery direction changes, are suitable for medium and heavy-weight material.

Embroidery Test

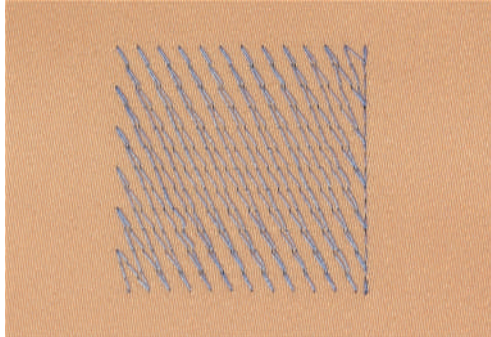
For the embroidery test, always use the original material reinforced with the same stabilizer as will be used later. For the embroidery test it is recommended to use the same colors, threads and needles which are planned to be used for the embroidery project.

Embroidering Designs by Third-party Providers

bernette recommends loading embroidery designs of any file format onto a USB stick via the free program «BERNINA Embroidery Software». Using «BERNINA Embroidery Software» ensures that embroidery designs are read and embroidered correctly. «BERNINA Embroidery Software» can be downloaded as a free trial version for 30 days at www.bernina.com/v9.

Underlay Stitches

Underlay stitches are the foundation of a motif and are used to stabilize the base material and hold it in shape. They also prevent the covering stitches of the motif from sinking into the knit or the nap of the material.

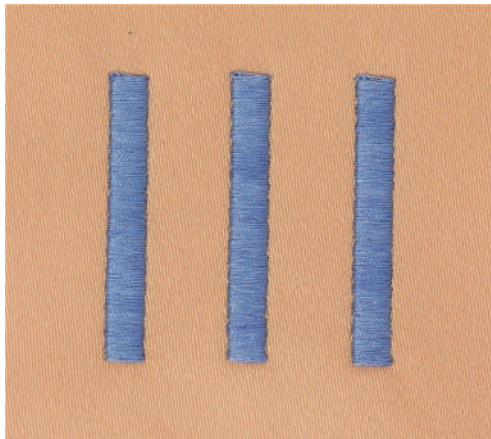


The Size of the Embroidery Design

Embroidery designs can be enlarged or downsized on the embroidery machine or on the PC using the BERNINA Embroidery software (optional accessory). Scaling up/downsizing in a range of +/- 20 % provides the best results.

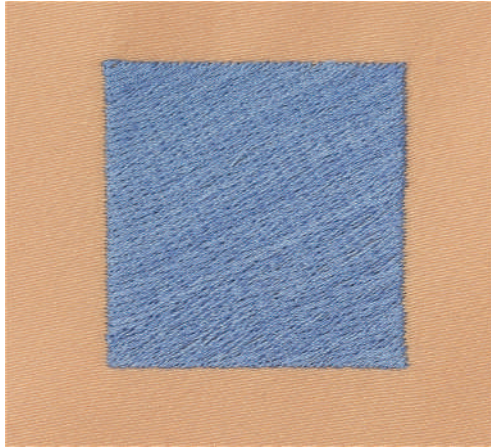
Satin or Leaf Stich

The needle moves left to right and vice versa. The result is a very dense, covering zig zag stitching to fill the shape. Satin stitching fills are ideal for narrow and small shapes. Satin stitching is, however, not suitable for larger areas, since wide stitches are too loose and do not cover the fabric properly. In addition there is the risk that with too long stitches the threads could catch on something which would damage the embroidery.



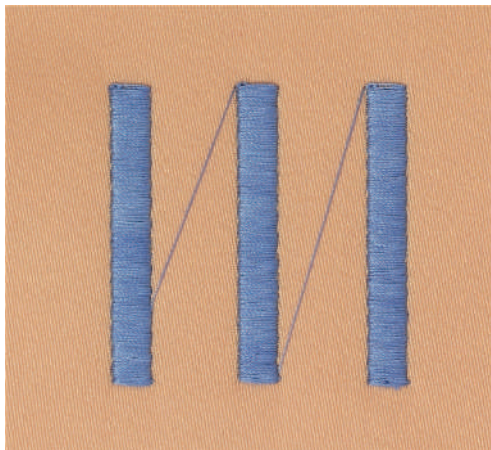
Step Stitch

Many short, equally long stitches are embroidered in offset rows closely next to each other which results in a densely filled area.



Connecting Stitches

Long stitches which are used to get from one part of the motif to the next. Before and after the connecting stitch securing stitches are sewn. Connecting stitches are trimmed.



13 Embroidery Preparation

13.1 Attaching the Embroidery Module



[Video](#)

NOTICE

Transporting the Embroidery Module

Damage to the embroidery module connection and machine.

- > Remove the embroidery module before transporting the machine.
- > Make sure that the module and the machine are placed on a stable, even surface.
- > Ensure that the embroidery arm can move freely.
- > Lift the embroidery module on the left side.
- > Carefully push the module from left to right into the embroidery module connection (1) of the machine so that it engages.



- > Hold the embroidery module, press the release button and pull it out.

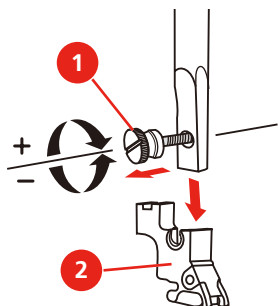


13.2 Embroidery Foot

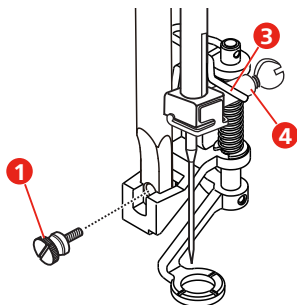
Attaching the Embroidery Foot

Mount the Hopper Embroidery Foot

- > Raise the needle.
- > Raise the presser foot and dual feed.
- > Switch the machine off and disconnect it from the power supply system.
- > Remove the presser foot holder (2) by unscrewing the presser foot bar attaching screw (1).



- > Attach the Hopper embroidery Foot (JX) to the presser foot bar, making sure that the spring (3) is over the needle clamp screw (4).
- > Tighten the screw (1).

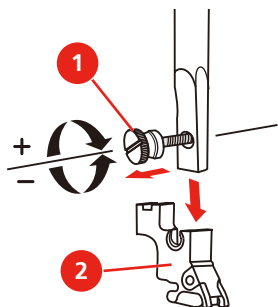


- > After starting the machine, select the embroidery foot in the «Presser Foot Sole Display».

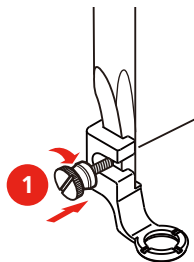
Note: When using thicker materials, the Hopper Embroidery Foot (JX) may touch the edge of the embroidery hoop. Use the Single Embroidery Foot (JL) in such cases. The needle holder can also be used with a shorter screw, which is available together with the ruler foot.

Mount the Embroidery Foot

- > Raise the needle.
- > Raise the presser foot and dual feed.
- > Switch the machine off and disconnect it from the power supply system.
- > Remove the presser foot holder (2) by unscrewing the presser foot bar attaching screw (1).



- > Attach the Embroidery Foot (JL) from the back with the index finger to the presser foot bar and tighten the screw.

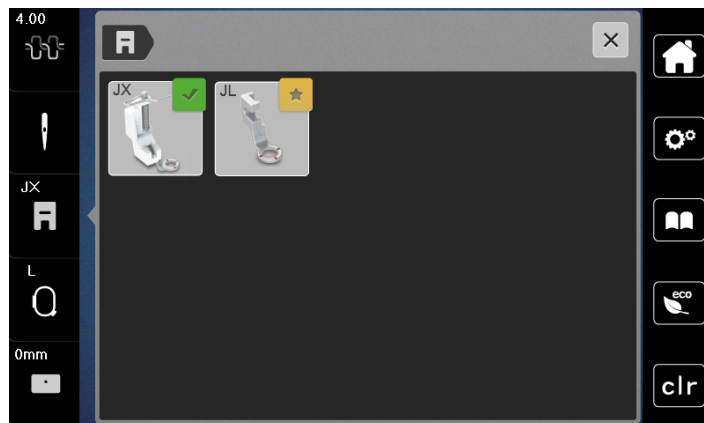


- > **Important:** After starting the machine, select the embroidery foot in the «Presser Foot Sole Display».

Selecting the Embroidery Foot

To ensure that the machine can set the correct standard height for the attached embroidery foot, the embroidery foot must be selected in the «Presser foot sole display».

- > Switch the machine on.
- > Tap «Presser Foot Indicator/Presser Foot Selection».
 - Any presser foot soles are displayed.



- > Select the attached embroidery foot.
 - A description of the selected embroidery foot is displayed.
- > Tap «Confirm».
 - The selected embroidery foot is displayed and the standard height is set.



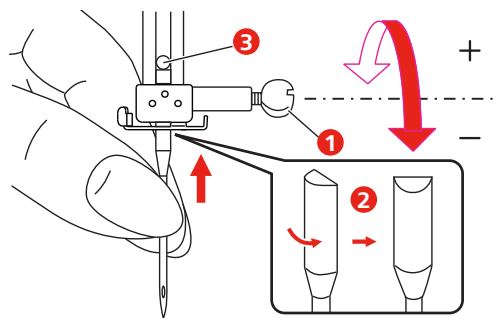
13.3 Needle and Stitch Plate

Inserting the Embroidery Needle



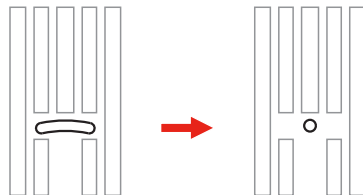
Embroidery needles of the type 130/705 H-SUK provide a larger eye and are slightly rounded. This avoids thread abrasion when using Rayon- and cotton embroidery thread. Depending on the embroidery thread use a size No. 70-SUK to No. 90-SUK needle.

- > Raise the needle.
- > Switch the machine off and disconnect it from the power supply system.
- > Remove the presser foot.
- > Loosen the needle clamp screw (1) using the screwdriver and remove the needle.
- > Hold the needle with the flat side (2) to the back.
- > Push the needle up to the stop (3).
- > Tighten the needle clamp (1) screw using the screwdriver.

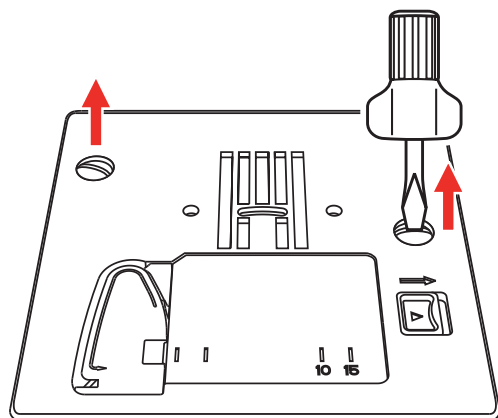


Attaching the Stitch Plate (CutWork/Straight)

The straight/cutwork stitch plate has a small hole in the needle area. The stitch formation (thread knotting of upper and bobbin thread) is thus optimized. This results in a more beautiful stitch appearance.

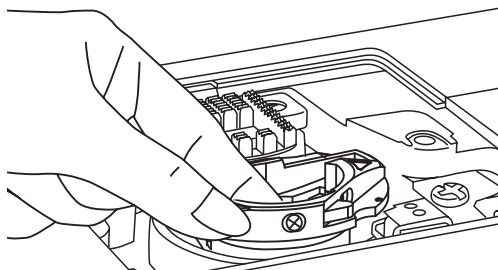


- > Switch the machine off and disconnect it from the power supply system.
- > Remove the needle.
- > Remove the presser foot.
- > Lower the feed dog and remove the bobbin cover.
- > Remove the screws of the stitch plate with the screwdriver.
- > Remove the stitch plate.

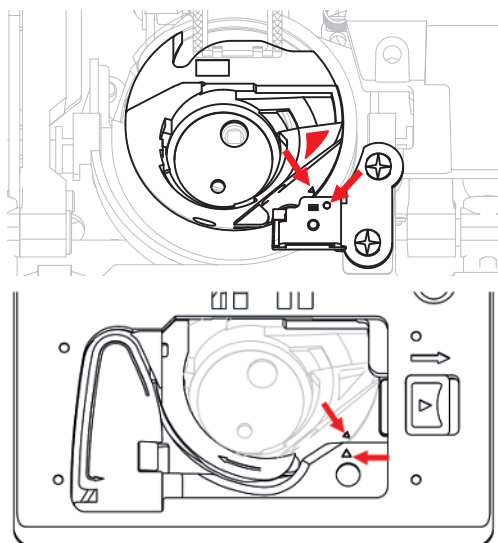


EMBROIDERY PREPARATION

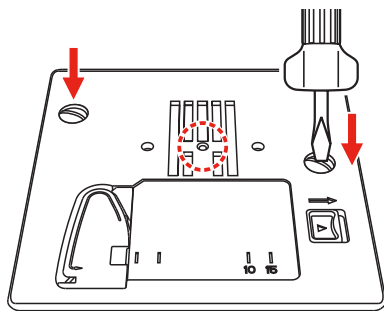
- > Remove the standard bobbin case.



- > To achieve optimum embroidery results, use the high thread tension bobbin case. Make sure that the markings of the bobbin case and the stitch plate are aligned identically.

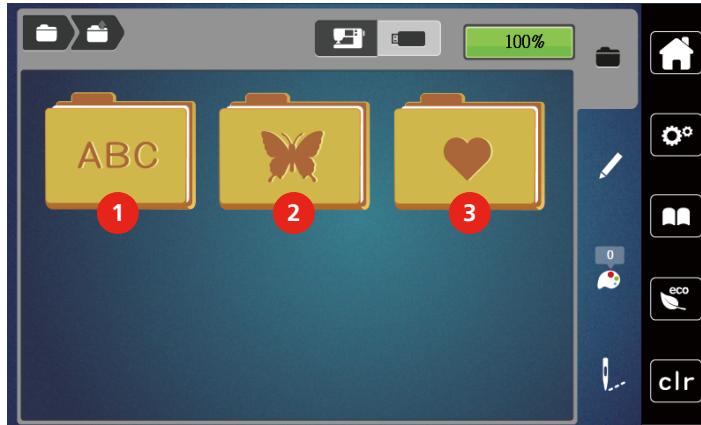


- > Exchange the Straight Stitch/CutWork Stitch Plate and tighten the screws with the screwdriver.



13.4 Selecting the Embroidery Design

All of the embroidery designs can be either directly embroidered or can be changed using different functions offered by the embroidering machine. You can find all embroidery designs at the end of the instruction manual. In addition to that, embroidery designs can be downloaded from the personal memory or from the USB stick (optional accessory).



- 1 Embroidery Alphabet
- 2 Embroidery Designs
- 3 Personal Embroidery Design



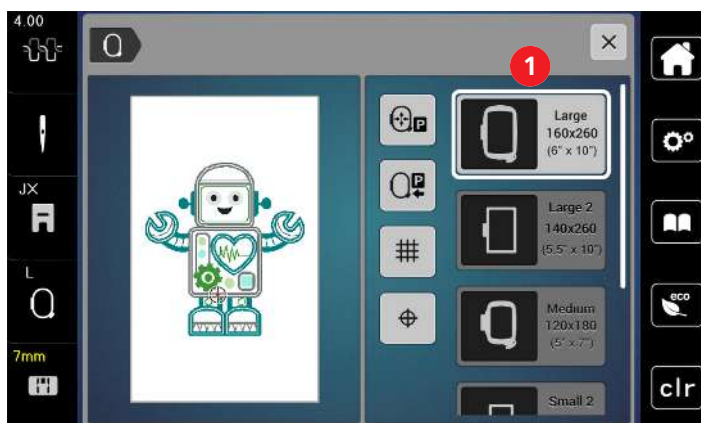
> Tap «Home».



> Tap «Embroidery Mode».
> Select an alphabet, embroidery design or a personal embroidery design from one of the files.

13.5 Embroidery Hoops

Overview Embroidery Hoop Selection



- 1 Hoop Selection

Selecting the Embroidery Hoop

The best embroidery result is achieved when the smallest possible embroidery hoop for the embroidery design is selected.

The embroidery design has a pre-set size which is displayed.

Prerequisite:



- The embroidery design is selected.
- > Tap «Hoop Indicator/Select Hoop».
 - The presently attached embroidery hoop is displayed.
 - The machine selects the optimal embroidery hoop according to the size of the embroidery design automatically.
 - If the preset embroidery hoop is not available, another desired embroidery hoop can be selected.
 - When an embroidery hoop is attached which does not correspond with the selected one, the attached hoop is considered active and the embroidery design area is displayed accordingly.
- > Select the desired embroidery hoop.

Tear-away Stabilizers

Using a stabilizer ensure more stability of the embroidery project. A tear-away stabilizer suits all woven and non-stretch materials. 1 – 2 layers can be used. Stabilizers are available in different weights. With larger areas to be embroidered the stabilizer will remain under the embroidery thread. The stabilizer is applied to the wrong side of the fabric with temporary adhesive spray. Carefully cut away excess stabilizer after embroidering.

Cut-away Stabilizers

Using a stabilizer ensure more stability of the embroidery project. A cut-away stabilizer suits all elastic materials. 1 – 2 layers can be used. Stabilizers are available in different weights. With larger areas to be embroidered the stabilizer will remain under the embroidery thread. The stabilizer is applied to the wrong side of the fabric with temporary adhesive spray. Carefully cut away excess stabilizer after embroidering.

Using Adhesive Spray

The application of spray adhesive is recommended for stretch and smooth materials and knitware. It prevents the fabric from losing shape and slipping. Appliqués can be exactly positioned with spray adhesive. The spray adhesive shouldn't be used near the machine to avoid contamination.

- > Use the spray adhesive carefully at a distance 25 – 30 cm (9 – 12 inch) when spraying the stabilizer.
- > Adhere the sprayed stabilizer to the wrong side of the fabric carefully, smoothing material so there are no puckers.
- > Position smaller parts such as pocket flaps or collars on the stabilizer.
- > To avoid the possibility of getting hoop marks when working with napped materials or fleece, don't hoop the parts but spray the stabilizer and hoop it.
- > Adhere the fabric to be embroidered.
- > Remove any adhesive residue before starting the machine.

Using Spray Starch

Spray starch is ideal for additional stiffening fine, loosely woven materials. Always use an additional stabilizer on the wrong side of the material.

- > Spray the area to be embroidered.
- > Let it dry or press gently with a warm iron if necessary.

Using Iron-on Interfacing

Iron-on interfacings are available in a variety of weights. It is recommended to use an iron-on interfacing which is easily removable from the basic fabric. An Iron-on interfacing suits all materials that are easily distorted like stretch fabric such as tricot and jersey.

- > Iron-on interfacings are ironed to the wrong side of the material using a warm iron.

Using Paper-backed Adhesive Stabilizer

Paper-backed adhesive stabilizers are intended to be used for fabrics such as jersey and silk as well as for embroidery projects which are not suited to be hooped in the embroidery hoop.

- > Place the stabilizer in the hoop, so that the paper side is up.
- > Use a pair of scissors to score the paper and remove paper in the hoop area.
- > Position the fabric to be embroidered on the stabilizer and press it on place.
- > Remove any adhesive residue before starting the machine.

Using Water-soluble Stabilizer



For lace embroidery it is recommended to hoop 1 - 3 layers of water-soluble stabilizer in the embroidery hoop. As the embroidery design is not embroidered on the fabric, only the thread embroidered design is left. The embroidery designs should be combined with short stitches otherwise the individual designs may fall out.

Water-soluble stabilizers are ideal for fine, sheer fabrics where other stabilizers may show through the embroidery stitches as well as for lace embroidery. The stabilizer dissolves in water. Water-soluble stabilizers are an ideal protection for looped pile fabrics preventing the loops from being damaged. It prevents threads from sinking into the material and keeps the fabric pile from poking through the embroidery.

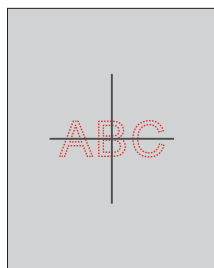
- > Place the stabilizer on the underside of the material.
- > Use adhesive spray to adhere stabilizer if necessary.
- > For material with a pile, reinforce with additional, suitable stabilizer on the wrong side.
- > Place all the layers together into the embroidery hoop.
- > After dissolving, lay the motif down flat and let dry.

Preparing the Embroidery Hoop

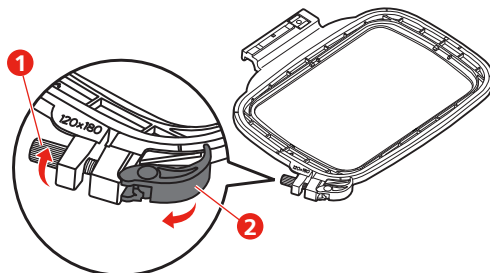


[Video](#)

The embroidery hoop consists of an outer and an inner hoop. There is a corresponding template for every hoop. The embroidery area is rasterized with 1 cm (0.39 in) squares. The center is marked with hole and cross lines. The required marks can be transferred to the material.

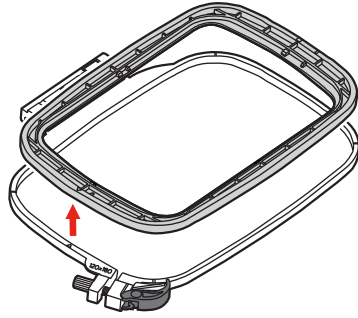


- > Loosen the screw (1) or open the quick release device (2) on the outer hoop.
 - If a new type of fabric is used, the pressure must be adjusted by turning the screw.

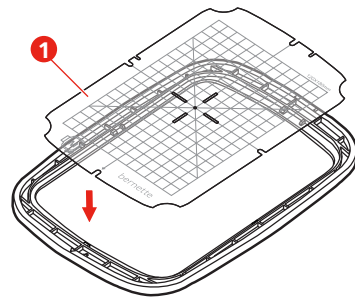


EMBROIDERY PREPARATION

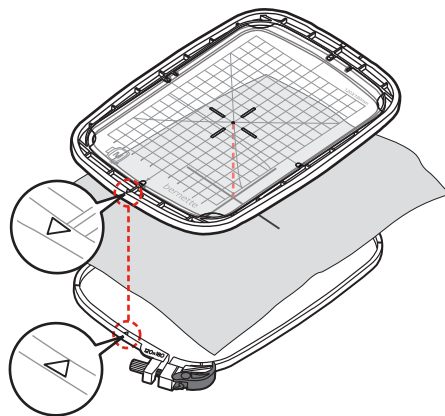
- > Remove the inner hoop.



- > Place the template (1) in the inner hoop so that the bernette logo is aligned with the arrow marking at the front edge so that it clicks into place.

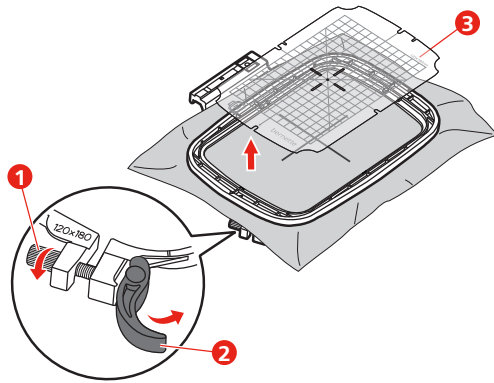


- > Place fabric under the inner frame so that it is at least 2 cm above the hoop.
- > Align the center of the embroidery design with the center of the template.
- > Place the material and the inner hoop on the outer hoop so that the arrow markings of both hoops are aligned.



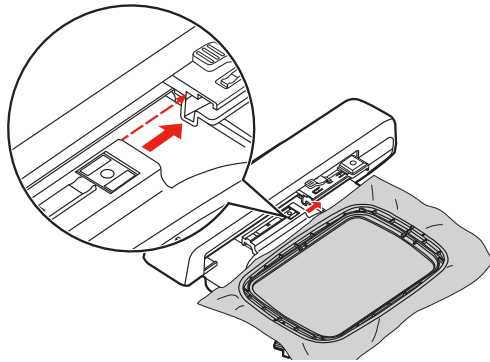
- > Fit the hoops into each other so that the material does not move.
- > Hoop the fabric tautly in the embroidery hoop.
- > Close the quick release device (2). If necessary, tighten screw (1).
- > The inner hoop should protrude about 1 mm on the underside, this prevents the hoop from sticking to the stitch plate.
- > The quick release device (2) is for changing the same type (thickness) fabric easily and quickly.

- > Remove the template (3) from the hoop.

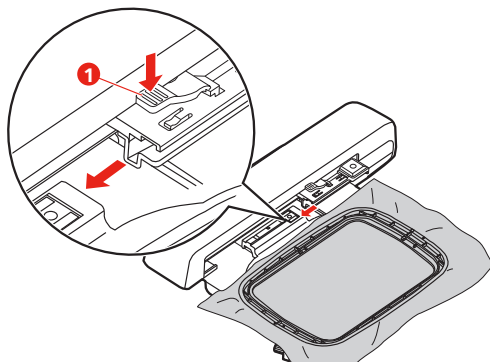


Attaching the Hoop

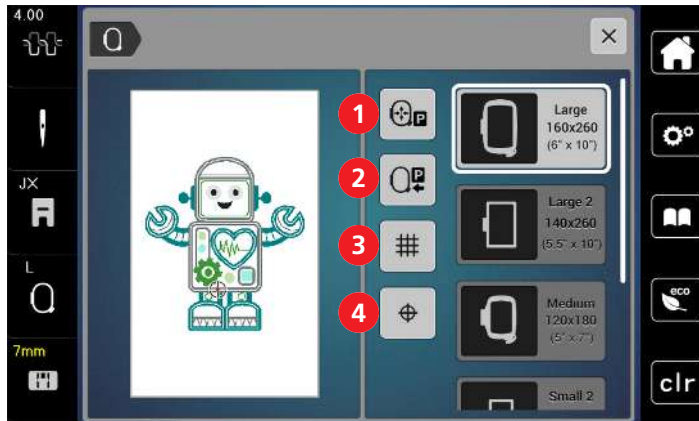
- > Raise the needle.
- > Raise the embroidery foot.
- > Position the hoop below the embroidery foot.
- > Push the embroidery hoop into the embroidery module until it clicks into place.
 - The hoop is attached.



- > To remove the hoop, press the securing lever and pull the hoop backwards.



Overview Embroidery Functions



- | | | | |
|---|---|---|-----------------------------|
| 1 | Centering the Needle to the Embroidery Hoop | 3 | Grid On/Off |
| 2 | Embroidery Arm Return | 4 | Center of Embroidery Design |

Locating the Center of the Embroidery Design

The embroidery hoop is positioned so that the needle is exactly above the center of the embroidery design or the motif begin.



- > Tap «Hoop Indicator/Select Hoop».



- > To position the hoop so that the needle is placed exactly over the center of the embroidery design, tap «Center of Embroidery Design».
- > To position the hoop so that the needle is placed exactly over the motif start, tap «Center of Embroidery Design» again.

Centering the Needle to the Embroidery Hoop

Relocating the embroidery hoop facilitates threading when the needle is close to the embroidery hoop.



- > Tap «Hoop Indicator/Select Hoop».



- > To move the embroidery hoop to the middle, tap «Center the Needle to the Embroidery Hoop».
- > Thread the upper thread.



- > To move the hoop back to its previous position, push the button «Start/Stop».

Embroidery Arm Return

The embroidery arm can be positioned for storage the embroidery module.



- > Tap «Hoop Indicator/Select Hoop».
- > Remove the embroidery hoop.



- > To move the embroidery arm horizontally to the left, tap «Move Hoop to the Left».



- > To move the embroidery arm back to its previous position, press the «Start/Stop» button.

Grid On/Off

When the center of the hoop and the grid are displayed, the embroidery design can be positioned more exactly.



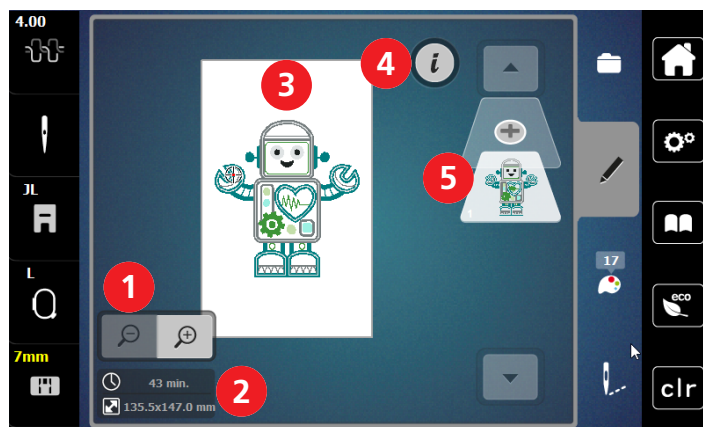
- > Tap «Hoop Indicator/Select Hoop».



- > To show the hoop center on the display, tap «Grid On/Off».
- > To show the grid lines, tap «Grid On/Off» again.
- > To hide the hoop center and the grid lines, tap «Grid On/Off» again.

14 Creative Embroidering

14.1 Overview Embroidering



- | | |
|---|--|
| <p>1 Scaling up, Downsizing and Moving the Embroidery Design View</p> <p>2 Embroidery Time/Embroidery Design Size in mm</p> <p>3 Area to be Embroidered</p> | <p>4 i-Dialog</p> <p>5 Adding an Embroidery Design Layer</p> |
|---|--|

Selecting and Changing the Embroidery Design

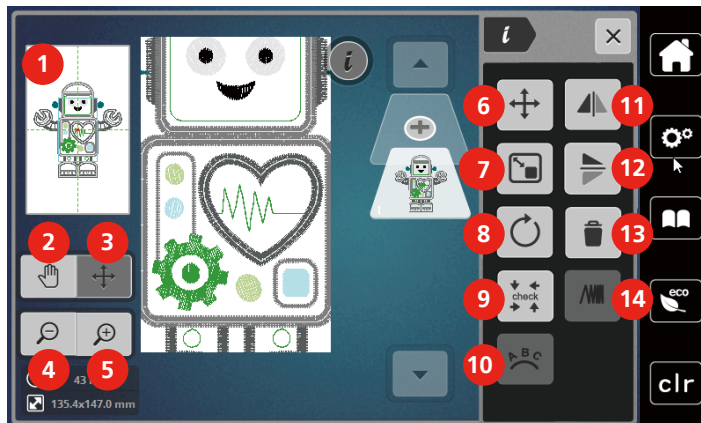


> Tap «Selection».



- > Tap «Loading the Embroidery Design».
- > Select a new embroidery design.

Overview Editing Embroidery Design



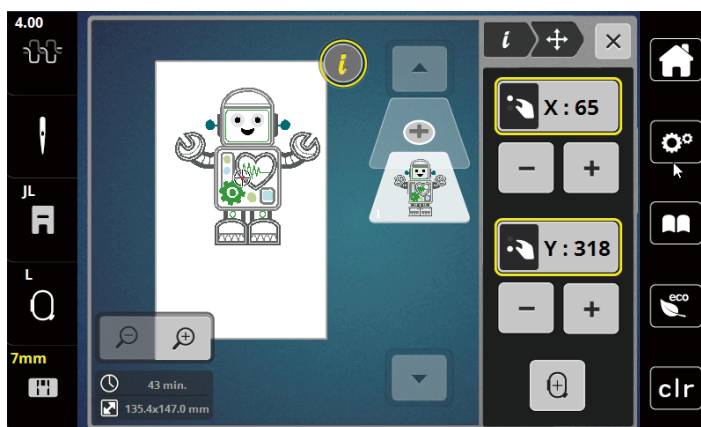
- | | | | |
|---|---|----|--------------------------------|
| 1 | Preview all | 8 | Rotating the Embroidery Design |
| 2 | Move View | 9 | Check Embroidery Design Size |
| 3 | Moving the View of the Design | 10 | Bending the Text |
| 4 | Zoom Out | 11 | Mirror Image Left/Right |
| 5 | Zoom In | 12 | Mirror Image Up/Down |
| 6 | Moving the Embroidery Design | 13 | Deleting |
| 7 | Altering the embroidery design proportionally | 14 | Altering the Stitch Density |

Moving the Embroidery Design

- > Select the embroidery design.
- > Tap «i-Dialog».



- > Tap «Move the Embroidery Design».
- > Turn the «Upper Multi-function Knob» to move the embroidery design horizontally.
- > Turn the «Lower Multi-function Knob» to move the embroidery design vertically in 0.5-mm steps or touch the «+»/«-» icon or touch the embroidery design, keep it pressed and move it as you like.
 - The relocation is indicated in the yellow-outlined icons.



- > Tap «Center Design in Hoop».
- The embroidery design is moved to the center of the hoop again.



14.2 Selecting and Changing the Embroidery Design



Video



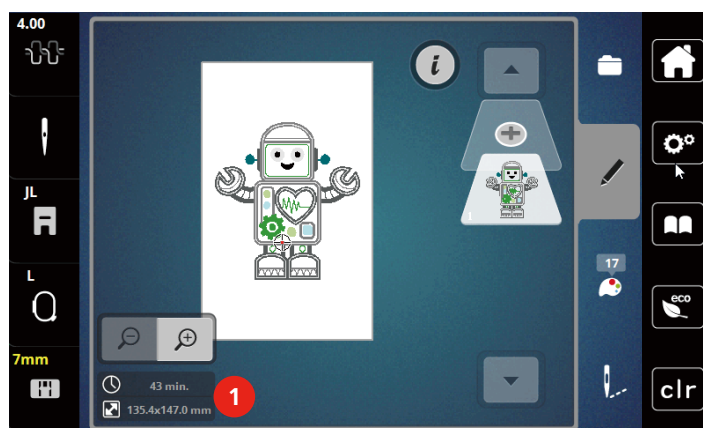
> Tap «Selection».



> Tap «Loading the Embroidery Design».
> Select a new embroidery design.

14.3 Checking the Embroidery Time and the Embroidery Design Size

In the selection menu «Edit» the estimated embroidery time in minutes as well as the width and height of the embroidery design is indicated at lower left (1).



14.4 Regulating the Speed

Regulating the Speed with the Speed Control

The maximum possible sewing speed is infinitely variable via the speed control.

- > To reduce the sewing speed, move the speed control to the left.
- > To increase the sewing speed, move the speed control to the right.

Regulating the Speed via the Foot Control

The sewing speed can be continuously varied up to the maximum possible speed via the foot control.

- > Press the foot control down carefully to start the machine.
- > To sew more quickly, press the foot control further down.
- > Release the foot control to stop the machine.

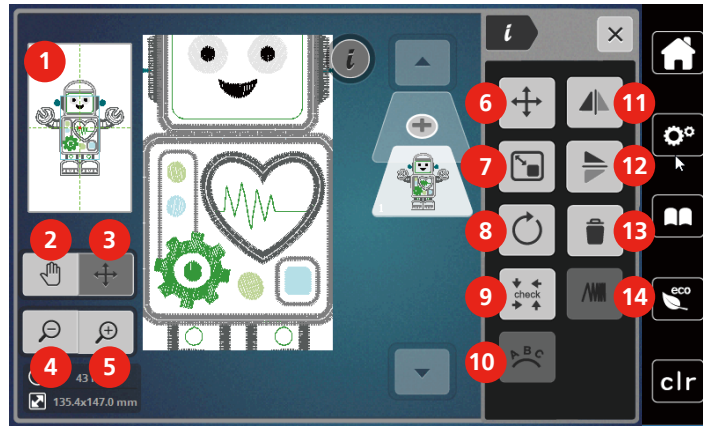


14.5 Editing the Embroidery Design



[Video](#)

Overview Editing Embroidery Design



- | | |
|---|----------------------------------|
| 1 Preview all | 8 Rotating the Embroidery Design |
| 2 Move View | 9 Check Embroidery Design Size |
| 3 Moving the View of the Design | 10 Bending the Text |
| 4 Zoom Out | 11 Mirror Image Left/Right |
| 5 Zoom In | 12 Mirror Image Up/Down |
| 6 Moving the Embroidery Design | 13 Deleting |
| 7 Altering the embroidery design proportionally | 14 Altering the Stitch Density |

Scaling Up the Embroidery Design View

The view of the embroidery design can be scaled up. In addition to that, the view can be adjusted with or without changing the embroidery position.

- > Select the embroidery design.
- > To edit the view of the embroidery design, tap «Zoom In».



- > To increase the embroidery design view by one level each time, tap «Zoom In» one to nine times.



- > To return to editing mode, tap «Zoom Out» one to nine times.



Downsizing the Embroidery Design

The view of the embroidery design can be downsized. In addition to that, the view can be adjusted with or without changing the embroidery position.

- > Select the embroidery design.
- > To enlarge the view of the embroidery design, tap «Zoom In».



- > To minimize the enlarged embroidery design view by one level each time, tap «Zoom Out» one to nine times.



Moving the embroidery design view

The view of the embroidery design can be moved. In addition to that, the embroidery design position won't be changed.

- > Select the embroidery design.
- > To edit the view of the embroidery design, tap «Zoom In».



- > Tap «Move View».
- «Move View» is activated (dark gray).
- > Alter the view of the embroidery design.
- The embroidery position is not altered.



- > To return to the previous view, tap «Zoom Out».



Moving the embroidery design in enlarged view

The view of the embroidery design can be moved when the embroidery position is changed.

- > Select the embroidery design.
- > To activate «Move the Embroidery Design», tap «Zoom In».



- > Tap «Move the Embroidery Design».
- «Move the Embroidery Design» is activated (dark gray).
- > Moving the embroidery design.
- The embroidery design position is altered.



- > To return to the previous view, tap «Zoom Out» again.

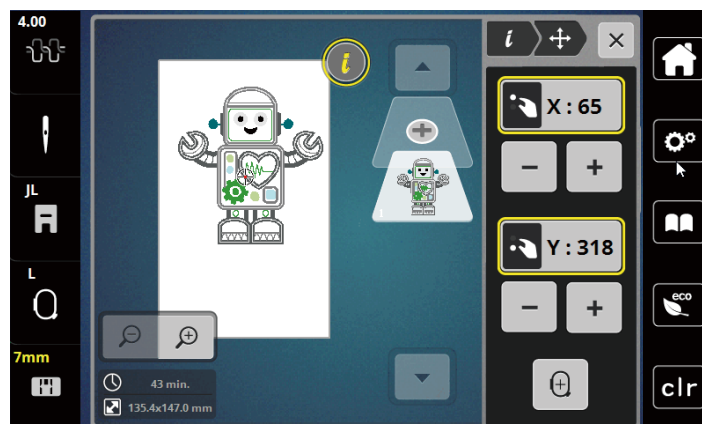


Moving the Embroidery Design

- > Select the embroidery design.
- > Tap «i-Dialog».



- > Tap «Move the Embroidery Design».
- > Turn the «Upper Multi-function Knob» to move the embroidery design horizontally.
- > Turn the «Lower Multi-function Knob» to move the embroidery design vertically in 0.5-mm steps or touch the «+»/«-» icon or touch the embroidery design, keep it pressed and move it as you like.
- The relocation is indicated in the yellow-outlined icons.





- > Tap «Center Design in Hoop».
- The embroidery design is moved to the center of the hoop again.

Rotating the Embroidery Design



- > Select the embroidery design.
- > Tap «i-Dialog».



- > Tap «Rotate the Embroidery Design».
- > To rotate the embroidery design clockwise, turn the «Upper Multi-function Knob» or «Lower Multi-function Knob» to the right, or tap «Plus».
- > To rotate the embroidery design counterclockwise, turn the «Upper Multi-function Knob» or «Lower Multi-function Knob» to the left, or tap «Minus».



- > To rotate the embroidery design in 90°-steps, tap «Rotate the Embroidery Design +90°».

Altering the Embroidery Design Size Proportionally

The alteration is limited to +/- 20%.



- > Select the embroidery design.
- > Tap «i-Dialog».



- > Tap «Change Design Size».
- > To enlarge the embroidery design in proportion, turn the «Upper Multi-function Knob» or «Lower Multi-function Knob» to the right, or tap «Plus».
- > To minimize the embroidery design in proportion, turn the «Upper Multi-function Knob» or «Lower Multi-function Knob» to the left, or tap «Minus».

Mirroring Embroidery Designs

Embroidery designs can be mirror-imaged both vertically and horizontally.

- > Select the embroidery design.
- > Tap «i-Dialog».



- > To mirror-image the embroidery design vertically/perpendicular, tap «Mirror Image Left/Right».



- > To mirror-image the embroidery design horizontally/across, tap «Mirror Image Up/Down».

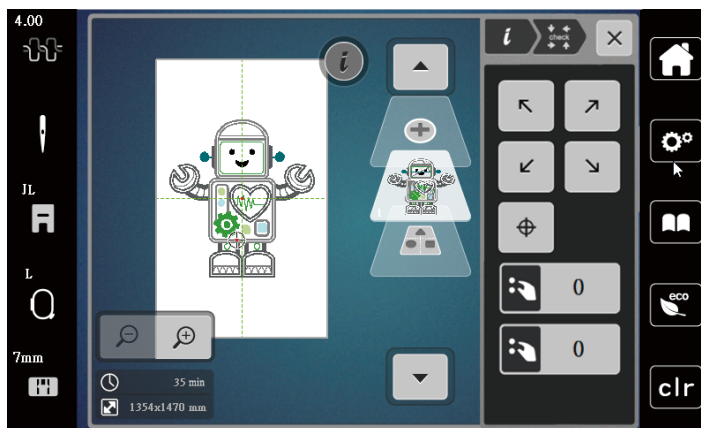
Checking the Size and the Position of the Embroidery Design

It can be checked whether or not the embroidery design matches the designated position/location on the fabric.

- > Select the embroidery design.
- > Tap «i-Dialog».



- > Tap «Check Embroidery Design Size».
 - The embroidery hoop travels all the way until the needle is at the position as it is indicated in the display.
 - If the embroidery design hasn't been positioned correctly yet, the position can be altered via the «Upper/Lower Multi-function Knobs» and the complete embroidery positions can be checked again.



- > To position the needle in the center of the embroidery design, tap «Center of Embroidery Design».
- > Turn the «Upper Multi-function Knob» to move the embroidery design horizontally.
- > Turn the «Lower Multi-function Knob» to move the embroidery design vertically.

Deleting an Embroidery Design

The active embroidery design is deleted.

- > Select the embroidery design.
- > Tap «i-Dialog».



- > Tap «Delete».



- > To delete the embroidery design, tap «Confirm».

14.6 Creating Lettering

Overview Embroidery Alphabets

| Embroidery Design | Name |
|-------------------|----------------------|
| ABC | Swiss Block |
| A B C | Swiss Block vertical |
| ABC | Childs Play |
| A B C | Childs Play vertical |
| ABC | Victoria |
| <i>ABC</i> | Anniversary |
| أ ب ت | Arabic |
| А Б В | Cyrillic |
| א ב ג | Hebrew |

Creating Words/Sentences

Lettering can be positioned within the hoop as you like. When the embroidery design is positioned outside the area to be embroidered, the hoop is outlined in red on the display. With the Hoop Selection, it can be checked whether or not the embroidery design can be embroidered in another hoop. When the lettering does not fit in any hoop, two single words can be combined and positioned below each other as the following example will show.



- > Select the «Alphabets» folder.
- > Select the font.
- > Enter the text «Made to».
- > To use large font, tap «Upper Case Characters» (1) (standard setting).
- > To use small font, tap «Lower Case Characters» (2).
- > To use numbers and mathematical characters, tap «Numbers and Mathematical Characters» (3).

- > To use special characters, tap «Special Characters» (4).



- > To delete single letters of the entered text, tap «Deleting».



- > To accept the text, tap «Confirm».



- > Tap «Hoop Indicator/Select Hoop».
- > Select the hoop.
- > To return to editing mode, tap «Hoop Indicator/Select Hoop» again.

Editing Words/Sentences



- > Tap «i-Dialog».



- > Tap «Rotate the Embroidery Design».



- > To rotate the text by 90°, tap «Rotate the Embroidery Design +90°».
- > Tap «i» (1).



- > Tap «Move the Design».
- > Turn the «Upper Multi-function Knob» to move the embroidery design horizontally or tap «Plus»/«Minus».
- > Turn the «Lower Multi-function Knob» to move the embroidery design vertically or tap «Plus»/«Minus».





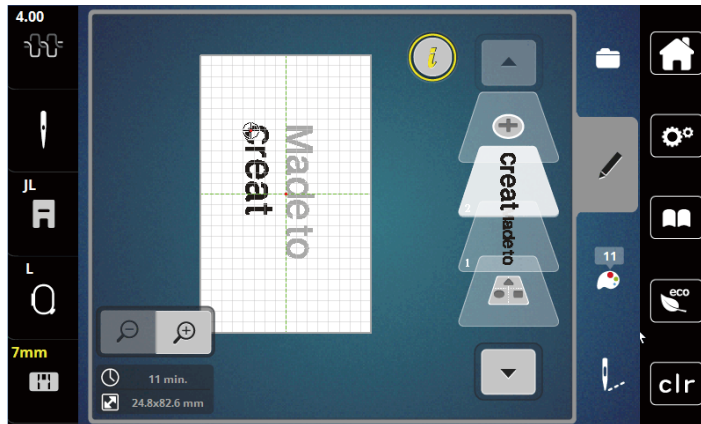
- > Tap «Adding an Embroidery Design».
- > Enter and also rotate the text «create».



- > Tap «Hoop Indicator/Select Hoop».



- > To position the text lines more precisely, tap «Grid On/Off».



Bending the Text

Texts can be arranged and designed arc-shaped. This function is only applicable to alphabets.

- > Select an alphabet embroidery design.
- > Tap «i-Dialog».



- > Tap «Word Art».
- > To change the distance between the characters in increments of one millimeter, turn the «Upper Multi-function Knob» or tap «Plus»/«Minus».
- > Turn the «Lower Multi-function Knob» to the left or right to curve the writing upward or downward, or tap «Plus»/«Minus».

Altering the Stitch Density

- > Select the embroidery design. This function is only applicable to alphabets.
- > Select an alphabet embroidery design.
- > Tap «i-Dialog».



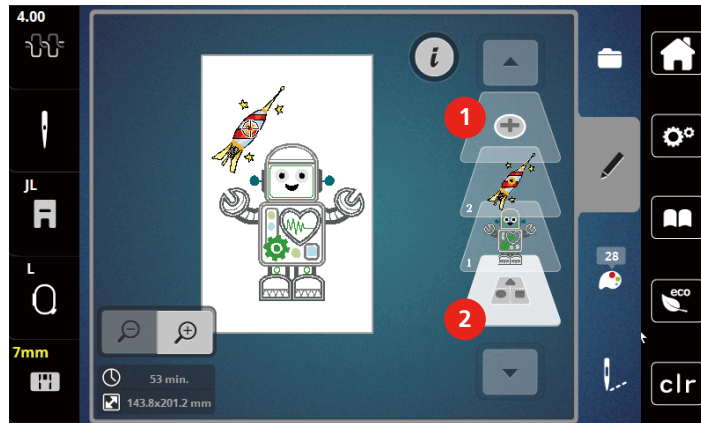
- > Tap «Alter Stitch Type/Stitch Density».
- > Select the percentage value for the desired embroidery density.

14.7 Combining Embroidery Designs

Combining Embroidery Designs



- > Select the embroidery design.
- > Tap «Adding an Embroidery Design» (1).
- > Select another embroidery design.
- > To select whole embroidery designs, tap «Select all Embroidery Designs».
 - The size of the combination cannot be adjusted.



1 «Adding an Embroidery Design»

2 «Select all Embroidery Designs»

Deleting a Single Embroidery Design



- > Select the embroidery design which is to be deleted.
- > Tap «i-Dialog».



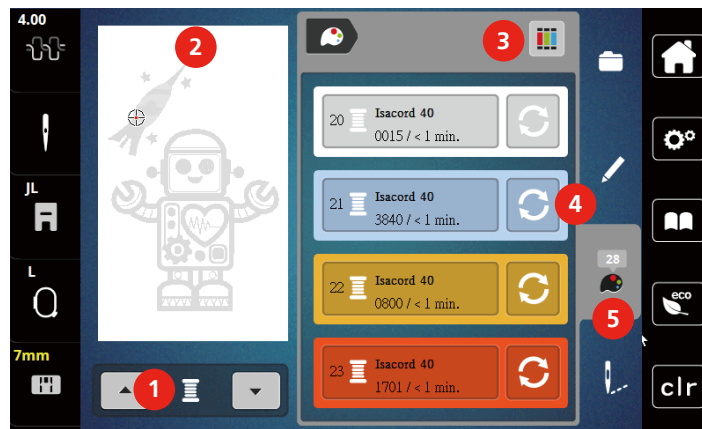
- > Tap «Delete».



- > Tap «Confirm».

14.8 Changing the Colors of the Embroidery Design

Overview Changing the Color



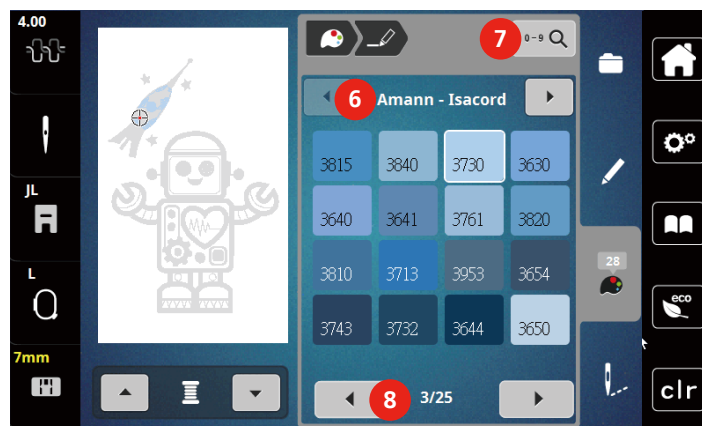
- | | | | |
|---|----------------------------------|---|-------------------|
| 1 | Colors of the Embroidery Designs | 4 | Altering Color |
| 2 | Preview for Selected Color | 5 | Color Information |
| 3 | Assign Thread Brand | | |

Changing the Colors

- > Select the embroidery design.
- > Tap «Color Information».



- > Tap «Altering Color/Brand» next to the color that needs to be changed.
- > Changing colors by searching the theme brand.
 - To display other thread brands, tap «Scroll» (6) in the upper right section of the display.
- > To select the color by inputting the color number, tap «Color Selection via Number» (7).
- > To display further colors, tap «Scroll» (8) in the lower right section of the display.
- > Select the desired color.



Changing the Thread Brand



- > Select the embroidery design.
- > Tap «Color Information».



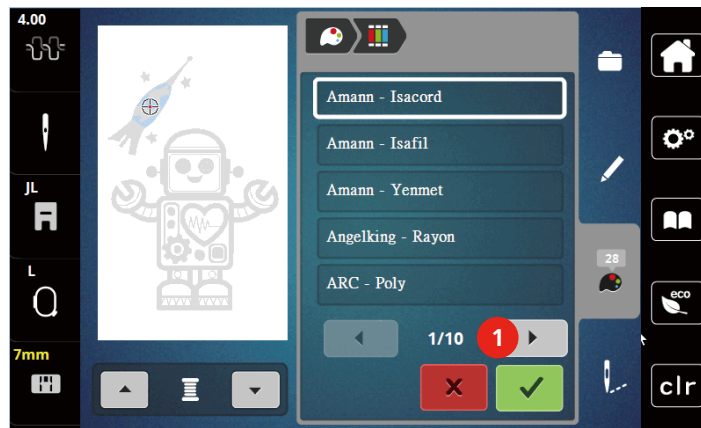
- > Tap «Assign Thread Brand».



- > To display further thread brands, tap scroll (1).



- > Select a thread brand and tap «Confirm».
- Any thread colors of the selected embroidery design will be matched with the selected thread brand.



14.9 Embroidering the Embroidery Design

Overview Embroidery Menu



- | | | | |
|---|-----------------------------|---|--|
| 1 | Basting | 4 | Cut Connecting Stitches |
| 2 | Moving the Hoop | 5 | Multi-colored Embroidery Design On/Off |
| 3 | Embroidery Sequence Control | 6 | Color Indication |

Adding Basting Stitches

The basting stitches can be embroidered along the embroidery design. As a result, the fabric and the stabilizer are better fixed together.

- > Select the embroidery design.
- > Tap «Embroidery».



- > To embroider the basting stitches along an embroidery design, tap «Basting».
- > To deactivate the basting stitches, tap «Basting» again.

Moving the Hoop

If the embroidery project is so big that repeated rehooping is necessary, the embroidered design can be moved again.

- > Select the embroidery design.
- > Tap «Embroidery».



- > Tap «Move Hoop».
- > Turn the «Upper Multi-function Knob» to move the hoop horizontally.
- > Turn the «Lower Multi-function Knob» to move the hoop vertically.

Embroidery Sequence Control when the Thread Breaks

If the thread breaks, the needle can be repositioned in the embroidery design using the function Embroidery Sequence Control.

- > Select the embroidery design.
- > Tap «Embroidery».



- > Tap «Embroidery Sequence Control».
 - A compact view of the embroidery design appears on the left side of the display. On the right side the embroidery design is shown in enlarged view.

– Repositioning via Compact View

- > Select the desired position in the overall view (1) (2).

– Repositioning via Stitch Bar

- > Select the bar in the display (3) (4).

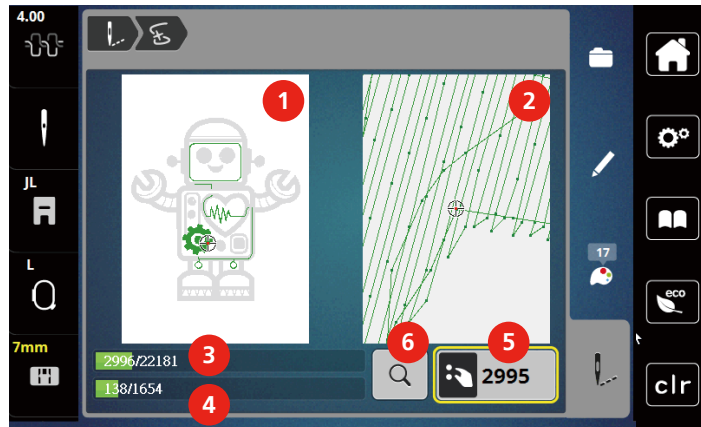
– Repositioning via Multi-function Knobs

- > Turn the «Upper Multi-function Knob» to move the hoop stitch by stitch.
- > Turn the «Lower Multi-function Knob» to move the hoop in large steps.

– Repositioning via Magnifier



- > To select the desired stitch via the input, tap «Magnifier» (6).



- The number in the yellow-framed icon (5) indicates the number of stitches of the embroidery process.

- > Set the needle position back so that the new start is made a few stitches before the thread has broken.

Cutting Connecting Stitches

The function is activated as standard and the connection stitches are automatically cut. If the function is deactivated, the connection stitches must be cut by hand.



- > Select the embroidery design.
- > Tap «Embroidery».



- > To switch off the function, tap «Cut Connecting Stitches».
- > To switch on the function, tap «Cut Connecting Stitches» again.

Multi-colored Embroidery Design On/Off

Multi-colored embroidery designs can also be embroidered in one color.



- > Select the embroidery design.
- > Tap «Embroidery».



- > Tap «Multi-colored Embroidery Design On/Off».
 - The embroidery design is embroidered in one color.

Color Indication

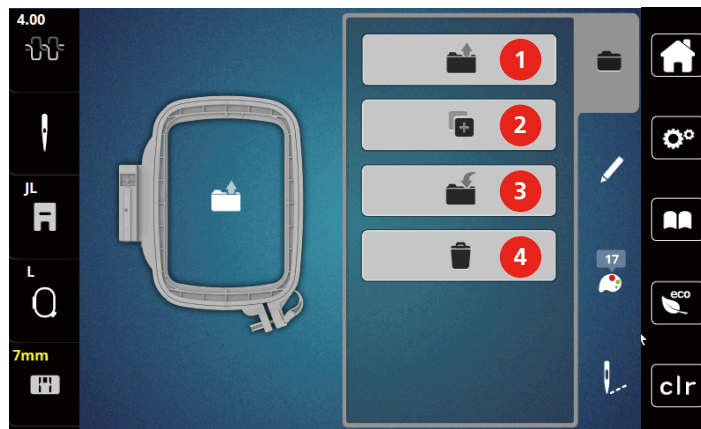
Every color of the embroidery design can be selected individually. The hoop moves to the first stitch of the current color. The currently active color can be embroidered individually or in another sequence.



- > Select the embroidery design.
- > Tap «Embroidery».
- > Touch the icon Scroll up to select the previous color of the embroidery design.

14.10 Administering Embroidery Designs

Administering Embroidery Designs



- | | | | |
|---|---------------------------------|---|-------------------------------|
| 1 | «Loading the Embroidery Design» | 3 | «Save Embroidery Design» |
| 2 | «Adding an Embroidery Design» | 4 | «Delete an Embroidery Design» |

Saving Embroidery Designs in the Personal Memory

In the file «Save Embroidery Designs» any embroidery designs including individually edited embroidery designs can be saved.

- > Select the embroidery design.
- > Edit the embroidery design.
- > Tap «Selection».



- > Tap «Save Embroidery Design».
 - The embroidery design to be saved is outlined in yellow.
 - The «Embroidery Machine» is activated.



- > Tap «Confirm».

Saving the Embroidery Design on the USB Stick

- > Select the embroidery design.
- > Edit the embroidery design.
- > Tap «Selection».



- > Tap «Save Embroidery Design».
 - The embroidery design to be saved is outlined in yellow.

- > Insert the USB stick into the USB port of the machine.
- > Tap «USB Stick».



- > Tap «Confirm».

Overwriting the Embroidery Design in the Personal Memory

- > Select the embroidery design.
- > Edit the embroidery design.
- > Tap «Selection».



- > Tap «Save Embroidery Design».
 - The embroidery design to be saved is outlined in yellow.
 - The «Embroidery Machine» is activated.



- > Select the embroidery design which is to be overwritten.



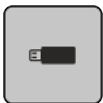
- > Tap «Confirm».

Overwriting the Embroidery on the USB Stick

- > Select the embroidery design.
- > Edit the embroidery design.
- > Tap «Selection».



- > Tap «Save Embroidery Design».
 - The embroidery design to be saved is outlined in yellow.
- > Insert the USB stick into the USB port of the machine.



- > Tap «USB Stick».
- > Select the embroidery design which is to be overwritten.



- > Tap «Confirm».

Loading an Embroidery Design from the Personal Memory

- > Tap «Selection».



- > Tap «Loading the Embroidery Design».



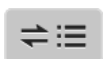
- > Select «Personal Embroidery Design».
- > Select the embroidery design.

Loading an Embroidery Design from the USB Stick

- > Tap «Selection».
- > Insert the USB stick into the USB port of the machine.



- > Tap «USB Stick».
- > Select a personal embroidery design.



- > By tapping «Embroidery Design Name/Display Embroidery Design Image» you can switch between the name of the embroidery design and the image of the embroidery design. This is only possible when loading a design from the USB stick.

Deleting an Embroidery Design from the Personal Memory

The embroidery designs which are saved in the personal memory can be deleted individually.



> Tap «Selection».



> Tap «Delete».



– The «Embroidery Machine» is activated.

> Select the embroidery design which is to be deleted.



> Tap «Confirm».

Deleting an Embroidery Design from the USB Stick



> Tap «Selection».



> Tap «Delete».

> Insert the USB stick into the USB port of the machine.



> Tap «USB Stick».

> Select the embroidery design which is to be deleted.



> Tap «Confirm».

15 Embroidery

15.1 Embroidering via the Button «Start/Stop»

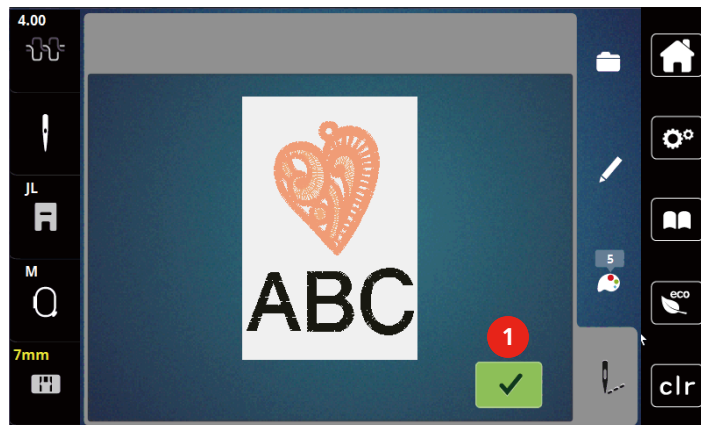
In case of a power cut the embroidery process is interrupted. After the restart the machine goes to the position which was embroidered last.



- > Push the button «Start/Stop» until the embroidery machine starts.
 - All parts of the design being in the current color are embroidered.
 - The embroidery machine stops automatically at the end.
 - Both threads are cut automatically.
 - The embroidery machine switches to the next color automatically.



- > Change the upper thread.
- > To embroider the new color, push the button «Start/Stop».
 - After having completed the embroidery design, the machine stops automatically and the threads are cut automatically.
- > To end the embroidery design, tap «Confirm» (1).



15.2 Increasing the Embroidery Speed

To ensure the best embroidery quality, the speed when embroidering is reduced depending on the embroidery position. Choose between the two options to either embroider at optimal or maximum speed. Standard = optimal speed. It has to be considered that the quality of the embroidered embroidery design at maximum speed cannot be ensured.

By switching the machine off and on, the optimal embroidery speed is activated.

Prerequisite:

- Embroidering has started.
- > Tap «Embroidery Speed».
 - The maximum speed is activated.
- > Tap «Embroidery Speed» again.
 - The optimal speed is activated.



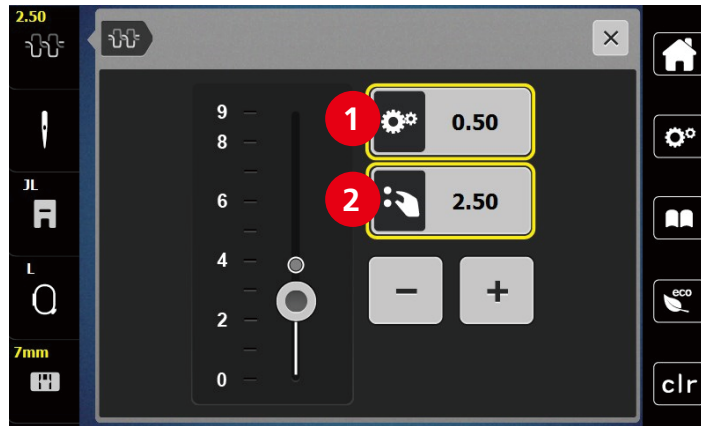
15.3 Adjusting the Upper Thread Tension

The default setting of the upper thread tension is set automatically as soon as an embroidery design is selected.

When using different types of embroidery threads, the upper thread tension may vary. It may therefore be necessary to adjust the upper thread tension individually according to the embroidery project as well as the desired stitch.

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. When the upper thread tension is low, the upper thread is less tightened, and the bobbin thread is pulled up less into the fabric.

Alteration of the upper thread tension affect the currently embroidery design. Permanent alterations of the upper thread tension can be made in the Setup Program.



1 Permanent Alteration of Thread Tension

2 Thread Tension of the Current Embroidery Design



- > Tap «Upper Thread Tension».
- > To increase or decrease the upper thread tension, move the slider.

16 BERNINA CutWork Tool

16.1 Attaching Cutwork Tool



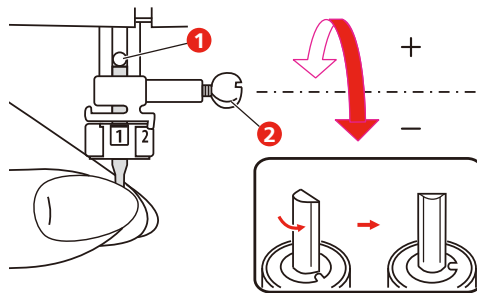
The CutWork Tool is available optionally. It is not included in the standard delivery of this machine.

The CutWork Tool is a very sharp accessory. Special care is required when working with this tool and keep fingers away from the sharp knife. You can find more information in the CutWork book, which is packaged with the CutWork tool.

In CutWork Mode, the upper thread, bobbin thread and thread cut sensor are deactivated.

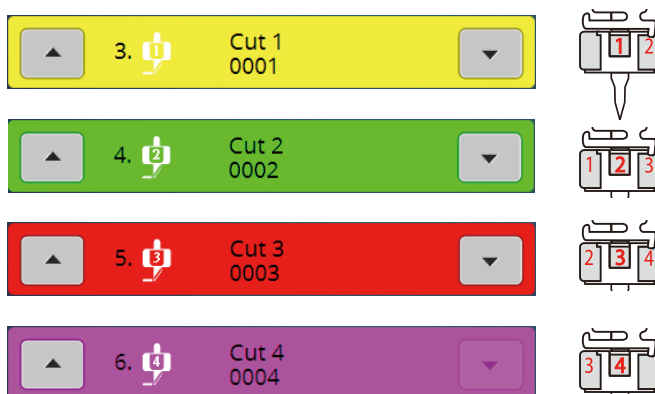
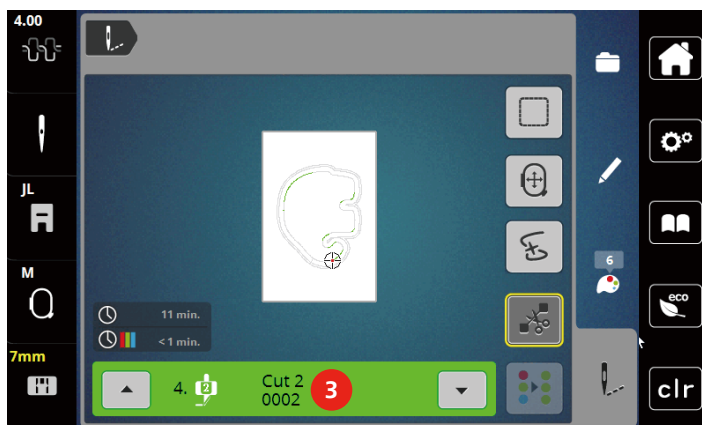
Prerequisite:

- The stitch plate CutWork/Straight is attached.
- > Remove the embroidery foot.
- > Remove the needle.
- > Insert the CutWork Tool with the flat side to the back as far up as it will go (1). Tighten the fixing screw (2).



- > Attach the embroidery foot.
- > Select the attached embroidery foot in the embroidery foot selection.

- > Rotate the CutWork Tool according to the information on the color display (3).



16.2 Start to Cut

- > Press the button «Start/Stop» and start to cut.
 - When it is completed, the machine stops automatically and return to Embroidery menu display.
- > Turn the CutWork Tool knife according to the cutting position on the display of Color indication (3).
- > Repeat the same actions.
 - When the cutting is completed, the machine stops automatically and shows the embroidery finished screen on the display.



17 Maintenance and Cleaning

17.1 Cleaning and Maintenance Intervals

To ensure the functionality and sewing quality of the machine, the machine must be cleaned and maintained regularly. The intervals for cleaning and maintenance of the machine depend on various factors, such as the fabrics and threads used.

As an advice to clean the machine, a message appears after 500,000 stitches.

As an advice to have the machine maintained, a message appears when 4,000,000 stitches have been sewn after a service.

17.2 Cleaning the Display

- > Clean the display when it is switched off with a soft slightly damp microfiber cloth.

17.3 Cleaning the Feed Dog

Remaining threads under the stitch plate must occasionally be removed.

- > Raise the needle and presser foot.



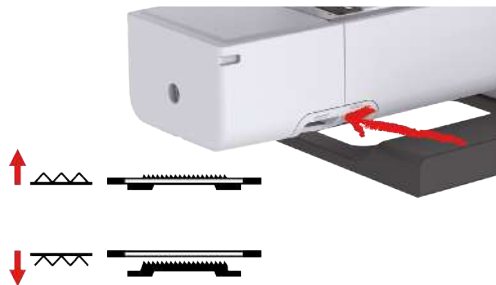
CAUTION

Electronically Driven Components

Risk of injury near the needle and the hook.

- > Switch off the machine and disconnect it from the power supply.

- > Remove the needle and presser foot.
- > Lower feed dog.



- > Remove the stitch plate.

NOTICE

Dust and thread remnants inside the machine

Damage to mechanical and electronic components.

- > Use a brush or a soft cloth.
- > Do not use compressed air spray.

- > Clean the feed dog with the brush.

17.4 Cleaning the Bobbin Case



CAUTION

Electronically Driven Components

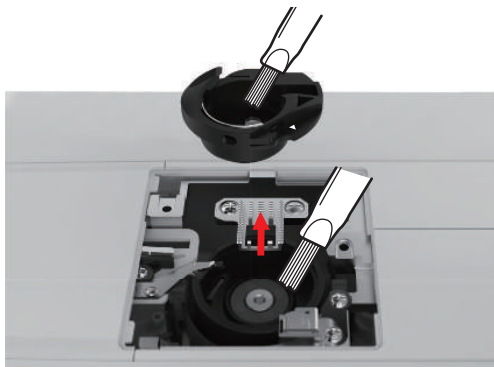
Risk of injury near the needle and the hook.

- > Switch the machine off and disconnect it from the power supply.

- > Remove the presser foot and the needle.
- > Open the bobbin cover and remove the top bobbin cover.
- > Remove the stitch plate.

MAINTENANCE AND CLEANING

- > Remove the bobbin from the bobbin case.
- > Clean the bobbin case with the brush.



- > Set needle to topmost position.



- > Clean the shuttle race with the brush.
- > Insert the bobbin into the bobbin case.
- > Fit the stitch plate.
- > Attach the top bobbin cover and close the bobbin cover.
- > Fit the needle and presser foot.

17.5 Oiling the Needle Bar

The needle bar may not move smoothly without lubrication. If the machine is used frequently, the needle bar should be oiled every 6 months to prevent blocking.

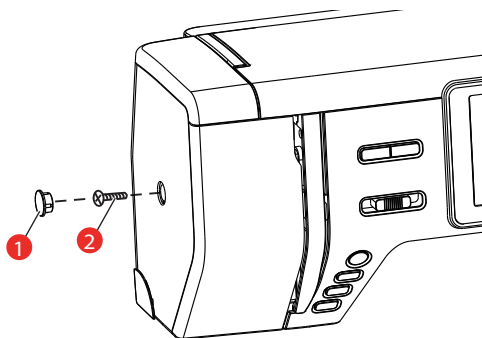
WARNING

Electronically Driven Components

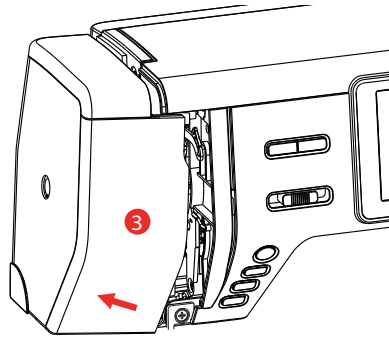
Risk of injury near the needle bar.

- > Switch the machine off and disconnect it from the power supply.

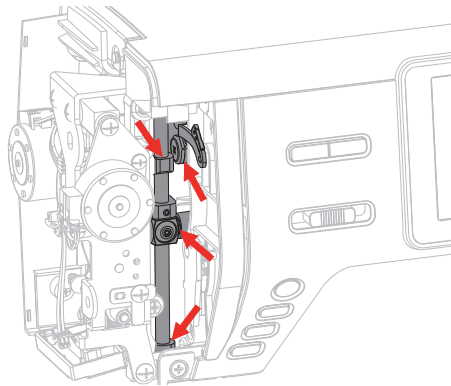
- > Remove the protective cap (1) and screw (2).



- > Remove the headframe cover (3).
 - After removing the headframe cover, pay attention to the moving parts.



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



- > Remove the presser foot.
- > Turn the handwheel a few times and remove any excess oil with a cloth.
- > Attach the headframe cover again.

18 Errors and Faults

18.1 Troubleshooting

| Fault | Cause | Solution |
|--------------------------------|--|--|
| Uneven Stitch Formation | Upper thread too tight or too loose. | > Adjust the upper thread tension. |
| | The needle is blunt or bent. | > Replace the needle, make sure that a new BERNINA quality needle is used. |
| | 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 fabric has been pulled. | > Feed the fabric evenly. |
| | Dust or thread remnants under the tension spring of the bobbin case. | > Remove any dust or thread remnants from under the tension spring of the bobbin case. |
| 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 to the texture of the material. |
| Faulty Stitching | Thread remnants between the thread tension discs. | > Fold a piece of thin material and slide the folded edge (not the raw edges) between the thread tension discs. |
| | Incorrectly threaded. | > Rethread. |
| | Thread is caught in the hook. | > Remove the upper thread and the bobbin case, turn the handwheel backwards and forwards by hand and remove the thread remnants. |
| | Incorrect needle/thread combination. | > Check the needle/thread combination. |

| Fault | Cause | Solution |
|------------------------------------|---|---|
| Upper Thread Breaks | Incorrect needle/thread combination. | > Match the needle with the thread size. |
| | Upper thread is too tight. | > Reduce the upper thread tension. |
| | Incorrectly threaded. | > Rethread. |
| | Poor quality thread. | > Use quality thread. |
| | The stitch plate or the hook tip is damaged. | > Contact your bernette dealer to have the damages repaired. > Replace the stitch plate. |
| Lower thread breaks | The bobbin is not inserted correctly. | > Remove the bobbin, reinsert it and pull on the thread. – The thread should run easily. |
| | The bobbin is wound incorrectly. | > Check bobbin and thread correctly. |
| | The stitch hole in the stitch plate is damaged. | > Contact your bernette dealer to have the damages repaired. > Replace the stitch plate. |
| | The needle is blunt or bent. | > Replace the needle. |
| 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 the appropriate presser foot, e.g. Jeans foot, for thick material. > Use the height compensation tool when sewing over a thick seam. |
| | Knotted thread. | > Use quality thread. |
| Display is Inactive | Incorrect calibration data. | > Switch the machine off. > Switch on the machine, and simultaneously press and hold the «Needle Position Left/Right» buttons. > Recalibrate the display. |
| | The eco Mode is active. | > Tap «eco-mode». |
| Stitch Width Not Adjustable | The selected needle and stitch plate cannot be used in combination. | > Replace the needle. > Replace the stitch plate. |
| Speed Too Low | Unfavorable room temperature. | > Place the machine in a warm room one hour before use. |
| | Settings in the Setup Program. | > Adjust the sewing/embroidery speed in the Setup Program. > Adjust the slide. |

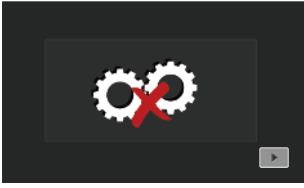

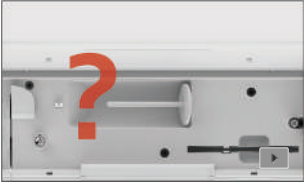

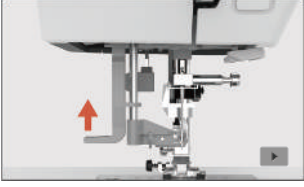

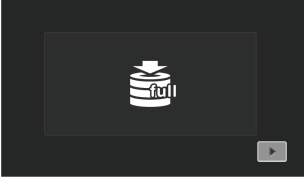
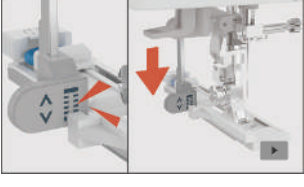
ERRORS AND FAULTS


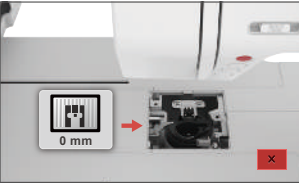
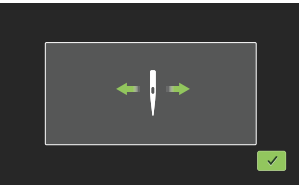
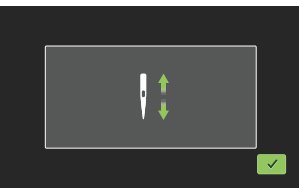
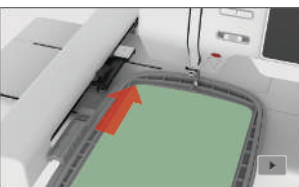
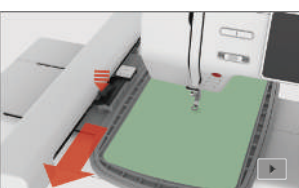
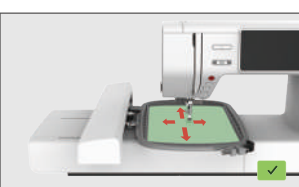

| Fault | Cause | Solution |
|--|---|---|
| The Machine doesn't Start | Unfavorable room temperature. | <ul style="list-style-type: none"> > Place the machine in a warm room one hour before use. > Connect the machine and switch it on. |
| | The machine is damaged. | <ul style="list-style-type: none"> > Contact your bernette dealer. |
| The Light of the «Start/Stop» Button doesn't Light Up | Light is defect. | <ul style="list-style-type: none"> > Contact your bernette dealer. |
| Neither the Sewing Light Nor the Light on the Freearm Lights Up | Settings in the Setup Program. | <ul style="list-style-type: none"> > Activate it in the Setup Program. |
| | The sewing light is defect. | <ul style="list-style-type: none"> > Contact your bernette dealer. |
| Upper Thread Indicator Fails to Respond | Settings in the Setup Program. | <ul style="list-style-type: none"> > Activate it in the Setup Program. |
| | The upper thread indicator is defective. | <ul style="list-style-type: none"> > Contact your bernette dealer. |
| Bobbin Thread Indicator doesn't React | Settings in the Setup Program. | <ul style="list-style-type: none"> > Activate it in the Setup Program. |
| | The bobbin thread indicator is defective. | <ul style="list-style-type: none"> > Contact your bernette dealer. |
| Hoop Detection: Wrong Hoop is Detected | Dirty frame contacts. | <ul style="list-style-type: none"> > Clean the frame contacts with a microfiber cloth and contact cleaner. |
| Error during Software Update | The update process is blocked and the hourglass on the display is inactive. | <ul style="list-style-type: none"> > Remove the USB stick. > Switch the machine off. > Rename the firmware file from «.fw» to «.auto». > Insert the USB stick. > Switch the machine on. <ul style="list-style-type: none"> – The update starts automatically. |

18.2 Error Messages

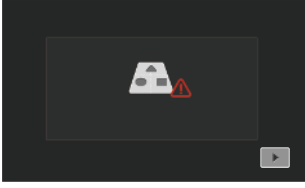
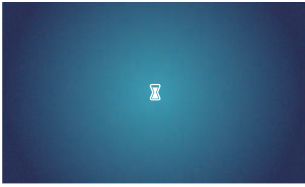

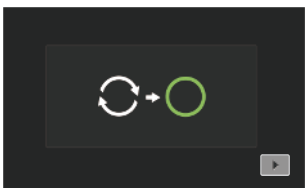
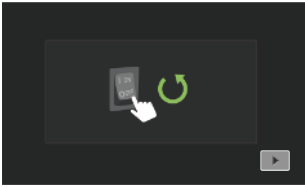
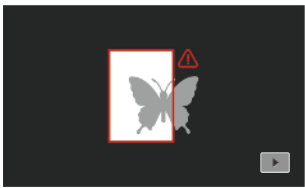
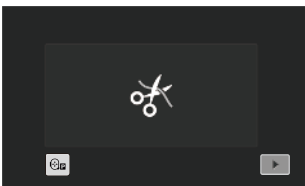
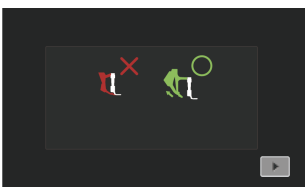
| Message on the Display | Cause | Solution |
|------------------------|---|--|
| | This stitch number does not exist. | > Check the entry and enter the new number. |
| | Selection of stitch patterns not possible in Combi-mode. | > Check the entry and enter the new number. |
| | The stitch number cannot be selected in Combi-mode. | > Select other stitches. |
| | The embroidery module must be removed. | > Hold the embroidery module, press the release button and pull the module out. |
| | The embroidery module must be connected. | > Push the embroidery module carefully from left to right into the embroidery module connection of the machine. |
| | The selected needle and stitch plate cannot be used in combination. | <ul style="list-style-type: none"> > Check whether the correct needle and stitch plate are attached. > Exchange the needle and select it in the user interface. > Change the stitch plate and select the correct stitch plate in the User Interface. |
| | The winding unit is activated. | > Deactivate the winding unit. |
| | The thread indicator is deactivated. | <ul style="list-style-type: none"> > To switch on both thread indicators, tap «Confirm». > To keep the thread indicators switched off, tap «Cancel». |





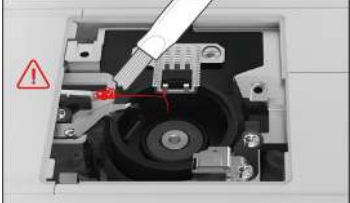
ERRORS AND FAULTS

| Message on the Display | Cause | Solution |
|--|--|--|
|   | The main motor is not running. | <ul style="list-style-type: none"> > Turn the handwheel clockwise until the needle is at its top position. > Remove the stitch plate. > Remove the thread remnants. > Clean the hook. > Remove the hook and make sure that there are no pieces of broken needle points on the magnetic back of the hook. |
|  | The upper thread is used up. | <ul style="list-style-type: none"> > Insert a new thread spool. > Rethread. |
| | The upper thread is broken. | <ul style="list-style-type: none"> > Rethread. |
|  | The bobbin thread is used up. | <ul style="list-style-type: none"> > Remove the empty bobbin, wind it again and reinsert it. |
|  | The threader lever is not raised. | <ul style="list-style-type: none"> > Raise the threader lever. |
|  | USB stick is not connected. | <ul style="list-style-type: none"> > Insert the USB stick (optional accessory) into the port. |
|  | Not enough free memory available on the USB stick (optional accessory). | <ul style="list-style-type: none"> > Delete data on the USB stick (optional accessory). > Overwrite data on the USB stick. |
|  | The buttonhole lever does not touch the buttonhole foot with slide (RJ). | <ul style="list-style-type: none"> > Pull the buttonhole lever down as far as possible until it engages behind the bracket. |

| Message on the Display | Cause | Solution |
|--|---|---|
|  | <p>The buttonhole lever is not pulled down.</p> <p>The feed dog is lowered.</p> | <ul style="list-style-type: none"> > Pull the buttonhole lever down as far as possible until it engages behind the bracket. > Raise the feed dog. |
|  | <p>Wrong stitch plate is used.</p> | <ul style="list-style-type: none"> > Remove the stitch plate and insert the correct one. |
|  | <p>The needle moves sideways.</p> | <p>When the stitch plate is exchanged, this illustration appears because the needle is likely to move.</p> |
|  | <p>The needle moves upwards.</p> | <ul style="list-style-type: none"> > Check whether there are any external objects near the stitch plate. > To raise the needle, tap «Confirm». |
|  | <p>The hoop is not attached.</p> | <ul style="list-style-type: none"> > Attach the hoop. |
|  | <p>The hoop is attached.</p> | <ul style="list-style-type: none"> > Remove the embroidery hoop. |
|   | <p>The movement of the hoop follows.</p> | <ul style="list-style-type: none"> > Ensure that the process is not impaired. > Tap «Confirm». |

ERRORS AND FAULTS

| Message on the Display | Cause | Solution |
|---|--|--|
|  | Maximum stitch count of 120,000 is reached. | <ul style="list-style-type: none"> > Select another pattern with less stitches. |
|  | Files are being loaded. | <ul style="list-style-type: none"> > Wait for processing process. |
|  | Firmware update failed. | <ul style="list-style-type: none"> > Check the update file on the USB stick. > Tap «Cancel» and try the update again. |
|   | Firmware update successfully completed. | <ul style="list-style-type: none"> > Restart the machine. |
|  | The embroidery design is partially outside the embroidery hoop and/or is too large for the hoop. | <ul style="list-style-type: none"> > Reduce the size of the embroidery design. > Reposition the embroidery design. > Attach a larger hoop. |
|  | This message appears when the thread cutter is adjusted after embroidery starts. | <ul style="list-style-type: none"> > Cut the thread manually. |
|  | This message is displayed after switching sewing mode to the embroidery mode. | <ul style="list-style-type: none"> > Do not lower the Dual feed. |

| Message on the Display | Cause | Solution |
|---|---|---|
|  | <p>500,000 stitches have been sewn with the machine since the last cleaning advice.</p> | <ul style="list-style-type: none"> > Clean the machine. > For reference to cleaning to be made again after switching on the machine, tap «Cancel». |
|  | <p>The machine has reached a stitch count of 4,000,000 since the last maintenance by a bernette dealer.</p> | <ul style="list-style-type: none"> > Contact your specialized bernette dealer to have the machine maintained. > For reference to maintenance to be made again after switching on the machine, tap «Cancel». |
|  | <p>The Embroidery Program has been selected.</p> | <ul style="list-style-type: none"> > Insert the high thread tension bobbin case. |
|  | <p>The Sewing Program has been selected.</p> | <ul style="list-style-type: none"> > Insert the standard bobbin case. |
|  | <p>The automatic thread cutter is malfunctioning.</p> | <ul style="list-style-type: none"> > Tap «Confirm». > Clean the thread catcher. > Contact your bernette dealer if the problem still occurs. |

























19 Technical Data

| Designation | Value | Unit |
|---|---|---------------------|
| Sewign Light (LED) | 300, 2 | mA, Watt |
| Maximum Speed | Sewing Mode: 1000 Embroidery Mode: 850 | Stitches per Minute |
| Measurements (w × d × h) | Without Embroidery Module: 509 × 200 × 315 With Embroidery Module: 710 × 475 × 315 | mm |
| Weight | Machine: 9.34 Accessory Box: 0.46 Embroidery Module: 3.65 | kg |
| Energy Consumption | 90 | W |
| Input Voltage | 100 – 240 | V |
| Protection Class (Electrical Engineering) | Protection Class II | |


















20 Appendix

20.1 Overview Stitch Patterns

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  | | | | | | | | | |

Buttonholes









| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 51  | 52  | 53  | 54  | 55  | 56  | 57  | 58  | 59  | 60  | 61  |
| 62  | 63  | 64  | 66  | 69  | 71  | | | | | |

Decorative Stitches






















Satin Stitches

| | | | | | | | | | | |
|--|--|--|--|--|--|--|--|--|--|--|
| 101  | 102  | 103  | 104  | 105  | 106  | 107  | 108  | 109  | 110  | 111  |
| 112  | 113  | 114  | 115  | 116  | 117  | 118  | 119  | 120  | 121  | 122  |
| 123  | 124  | | | | | | | | | |


































































Cross Stitches

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|--|--|--|
| 125 | 126 | 127 | 128 | 129 | 130 | 131 | 132 | | | |
|  |  |  |  |  |  |  |  | | | |












Nature Stitches

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 133 | 134 | 135 | 136 | 137 | 138 | 139 | 140 | 141 | 142 | 143 |
|  |  |  |  |  |  |  |  |  |  |  |
| 144 | 145 | 146 | 147 | 148 | 149 | 150 | 151 | 152 | 153 | |
|  |  |  |  |  |  |  |  |  |  | |

Geometric Stitches

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 154 | 155 | 156 | 157 | 158 | 159 | 160 | 161 | 162 | 163 | 164 |
|  |  |  |  |  |  |  |  |  |  |  |
| 165 | 166 | 167 | 168 | 169 | 170 | 171 | 172 | 173 | 174 | 175 |
|  |  |  |  |  |  |  |  |  |  |  |
| 176 | 177 | 178 | 179 | 180 | 181 | 182 | 183 | 184 | 185 | 186 |
|  |  |  |  |  |  |  |  |  |  |  |
| 187 | 188 | 189 | 190 | 191 | 192 | 193 | 194 | 195 | 196 | 197 |
|  |  |  |  |  |  |  |  |  |  |  |
| 198 | 199 | 200 | 201 | 202 | 203 | 204 | 205 | 206 | 207 | 208 |
|  |  |  |  |  |  |  |  |  |  |  |
| 209 | 210 | 211 | 212 | 213 | 214 | 215 | 216 | 217 | 218 | |
|  |  |  |  |  |  |  |  |  |  | |

Children Stitches

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 219 | 220 | 221 | 222 | 223 | 224 | 225 | 226 | 227 | 228 | 229 |
|  |  |  |  |  |  |  |  |  |  |  |

| | | | | | | | | | | |
|-----|-----|-----|-----|--|--|--|--|--|--|--|
| 230 | 231 | 232 | 233 | | | | | | | |
| | | | | | | | | | | |

Quilt Stitches

| | | | | | | | | | | |
|------|------|------|------|------|------|------|------|------|------|------|
| 1001 | 1002 | 1003 | 1004 | 1005 | 1006 | 1007 | 1008 | 1009 | 1010 | 1011 |
| | | | | | | | | | | |
| 1012 | 1013 | 1014 | 1015 | 1016 | 1017 | 1018 | 1019 | 1020 | 1021 | 1022 |
| | | | | | | | | | | |
| 1023 | 1024 | 1025 | 1026 | 1027 | 1028 | 1029 | 1030 | 1031 | 1032 | 1033 |
| | | | | | | | | | | |
| 1034 | 1035 | | | | | | | | | |
| | | | | | | | | | | |

Exclusive Harry Potter Stitch Patterns





| | | | | |
|-----|-----|-----|-----|-----|
| 901 | 902 | 903 | 904 | 905 |
| | | | | |

20.2 Embroidery Designs





















































Embroidery Designs

Let your creativity run free. A vast selection of embroidery designs is at your disposal.

If you see one of the following pictograms below a number of the embroidery design, you can find additional information at www.bernina.com/specialeffects.

| | | | |
|---|-------------------|---|------------------------|
|  | Detached Point |  | Appliqué |
|  | Fringe Embroidery |  | CutWork Design (motif) |

Embellishment

| | |
|---|---|
| <p>01_01_002_bell 50 x 103 mm 2 x 4.1 inch 10.373</p> | <p>01_02_019_swiss 150 x 129 mm 5.9 x 5.1 inch 20.511</p> |
| <p>1.  Isacord 40 0250 2.  Isacord 40 5100 3.  Isacord 40 1701 4.  Isacord 40 1972 5.  Isacord 40 0020 6.  Isacord 40 0250 7.  Isacord 40 5100 8.  Isacord 40 1701 9.  Isacord 40 1972 10.  Isacord 40 0250 11.  Isacord 40 0230 12.  Isacord 40 0020</p>  | <p>1.  Isacord 40 0003 2.  Isacord 40 3650 3.  Isacord 40 0142 4.  Isacord 40 0182 5.  Isacord 40 1972 6.  Isacord 40 3410 7.  Isacord 40 2900 8.  Isacord 40 5100 9.  Isacord 40 2560 10.  Isacord 40 1950 11.  Isacord 40 0941 12.  Isacord 40 0230 13.  Isacord 40 0020 14.  Isacord 40 1703 15.  Isacord 40 5100 16.  Isacord 40 0941 17.  Isacord 40 0003 18.  Isacord 40 0230 19.  Isacord 40 0142</p>  |
| <p>01_03_edelweiss 103 x 58 mm 4.1 x 2.3 inch 8.192</p> <p>1.  Isacord 40 0003 2.  Isacord 40 5450 3.  Isacord 40 5010 4.  Isacord 40 0003 5.  Isacord 40 0182 6.  Isacord 40 0520 7.  Isacord 40 0704 8.  Isacord 40 0934</p>  | <p>01_04_12383-18 91 x 171 mm 3.6 x 6.7 inch 5.210</p> <p>1.  Isacord 40 3666</p>  |
| <p>01_05_12490-03 118 x 113 mm 4.6 x 4.5 inch 6.706</p> <p>1.  Isacord 40 0131 2.  Isacord 40 3450 3.  Isacord 40 3840</p>  | <p>01_06_12490-04 146 x 122 mm 5.8 x 4.8 inch 8.755</p> <p>1.  Isacord 40 0131 2.  Isacord 40 3450 3.  Isacord 40 3840</p>  |

01_07_12490-05_sized 118 x 98 mm 5.831
4.6 x 3.9 inch

- 1. Isacord 40 0131
- 2. Isacord 40 3450
- 3. Isacord 40 3840



01_08_12535-03_1_size d 155 x 116 mm 7.191
6.1 x 4.6 inch

- 1. Isacord 40 4220
- 2. Isacord 40 1532
- 3. Isacord 40 0105
- 4. Isacord 40 1060



01_09_12587-56 49 x 100 mm 3.805
1.9 x 3.9 inch

- 1. Isacord 40 0101



01_10_12587-57 58 x 20 mm 1.458
2.3 x 0.8 inch

- 1. Isacord 40 0101



01_11_12587-58 53 x 116 mm 3.620
2.1 x 4.6 inch

- 1. Isacord 40 0101



01_12_12587-59 33 x 95 mm 2.322
1.3 x 3.7 inch

- 1. Isacord 40 0101



01_13_12587-60 126 x 126 mm 4.847
5 x 5 inch

- 1. Isacord 40 0101



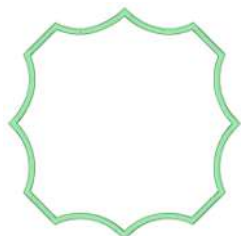
01_14_12606-33 43 x 70 mm 2.370
1.7 x 2.8 inch

- 1. 0001
- 2. 0002
- 3. Isacord 40 0003



01_15_12611-27 137 x 137 mm 3.960
5.4 x 5.4 inch

- 1. Applique 1
- 2. Applique 2
- 3. Isacord 40 5440

















































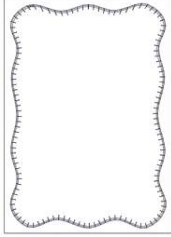


01_16_12611-28 140 x 140 mm 3.648
5.5 x 5.5 inch

- 1. Applique 1
- 2. Applique 2
- 3. Isacord 40 0713



APPENDIX

| | | | | | |
|--|---|--|---|--------------------------------|--------|
| 01_17_12670-03 | 121 x 144 mm 4.8 x 5.7 inch | 18.526 | 01_18_12669-03 | 110 x 195 mm 4.3 x 7.7 inch | 22.932 |
| <ol style="list-style-type: none"> 1.  Isacord 40 4220 2.  Isacord 40 2155 3.  Isacord 40 2220 4.  Isacord 40 0660 5.  Isacord 40 0934 6.  Isacord 40 1321 7.  Isacord 40 0020 8.  Isacord 40 1321 |  | <ol style="list-style-type: none"> 1.  Isacord 40 0020 |  | | |
| 01_19_19999-002_check_s | 125 x 136 mm 4.9 x 5.4 inch | 10.101 | 01_20_21013-29 | 152 x 40 mm 6 x 1.6 inch | 7.570 |
| <ol style="list-style-type: none"> 1.  Isacord 40 0020 |  | <ol style="list-style-type: none"> 1.  Isacord 40 3631 |  | | |
| 01_21_21013-30 | 76 x 76 mm 3 x 3 inch | 5.520 | 01_22_21021-04 | 123 x 150 mm 4.8 x 5.9 inch | 16.181 |
| <ol style="list-style-type: none"> 1.  Isacord 40 3631 |  | <ol style="list-style-type: none"> 1.  Isacord 40 1760 2.  Isacord 40 1141 3.  Isacord 40 0776 |  | | |
| 01_23_21021-05 | 119 x 156 mm 4.7 x 6.1 inch | 14.247 | 01_24_21027-01_s | 123 x 122 mm 4.8 x 4.8 inch | 6.186 |
| <ol style="list-style-type: none"> 1.  Isacord 40 1141 2.  Isacord 40 1760 3.  Isacord 40 0776 |  | <ol style="list-style-type: none"> 1.  Isacord 40 1805 2.  Isacord 40 2723 3.  Isacord 40 1060 4.  Isacord 40 5010 5.  Isacord 40 4103 6.  Isacord 40 0230 7.  Isacord 40 5010 |  | | |
| 01_25_21027-14 | 121 x 121 mm 4.8 x 4.8 inch | 7.336 |  01_26_32078-03 | 123 x 173 mm 4.9 x 6.8 inch | 1.263 |
| <ol style="list-style-type: none"> 1.  Isacord 40 5115 2.  Isacord 40 2723 3.  Isacord 40 4103 4.  Isacord 40 1060 5.  Isacord 40 0230 6.  Isacord 40 5010 7.  Isacord 40 1805 8.  Isacord 40 5115 9.  Isacord 40 1805 |  | <ol style="list-style-type: none"> 1.  Isacord 40 0020 2.  Applique 1 3.  Applique 2 4.  Isacord 40 3666 |  | | |

01_27_be790308_bernet 155 x 178 mm 25.484
 te 6.1 x 7 inch

- 1. ■ Isacord 40 0020
- 2. ■ Applique 1
- 3. ■ Applique 2
- 4. ■ Isacord 40 1720



01_28_fb148_48 101 x 90 mm 11.178
 4 x 3.5 inch

- 1. ■ Isacord 40 0105
- 2. ■ Isacord 40 0230
- 3. ■ Isacord 40 0832
- 4. ■ Isacord 40 2560
- 5. ■ Isacord 40 3630
- 6. ■ Isacord 40 1141
- 7. ■ Isacord 40 6071
- 8. ■ Isacord 40 1521
- 9. ■ Isacord 40 6051
- 10. ■ Isacord 40 3770
- 11. ■ Isacord 40 2732



01_29_fb158_48 40 x 53 mm 2.891
 1.6 x 2.1 inch

- 1. ■ Isacord 40 1141
- 2. ■ Isacord 40 0761
- 3. ■ Isacord 40 2171
- 4. ■ Isacord 40 2155
- 5. ■ Isacord 40 0105



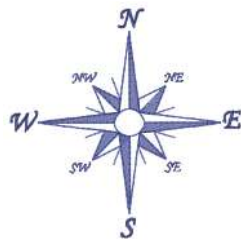
01_30_na597 57 x 53 mm 922
 2.2 x 2.1 inch

- 1. ■ Isacord 40 3210



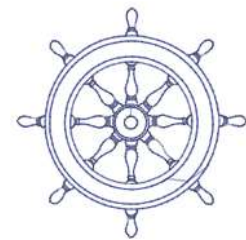
01_31_na614 102 x 101 mm 2.865
 4 x 4 inch

- 1. ■ Isacord 40 3210



01_32_na617 96 x 96 mm 2.635
 3.8 x 3.8 inch

- 1. ■ Isacord 40 3210



01_33_nb843_48 88 x 121 mm 8.979
 3.4 x 4.8 inch

- 1. ■ Isacord 40 5510
- 2. ■ Isacord 40 1776
- 3. ■ Isacord 40 1030
- 4. ■ Isacord 40 0853
- 5. ■ Isacord 40 5005
- 6. ■ Isacord 40 2723
- 7. ■ Isacord 40 5555
- 8. ■ Isacord 40 0131



Quilt Designs

02_01_12380-04 83 x 90 mm 2.191
 3.3 x 3.5 inch

- 1. ■ Isacord 40 1543

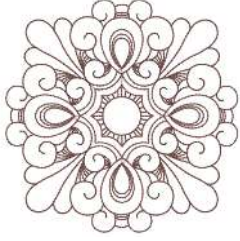


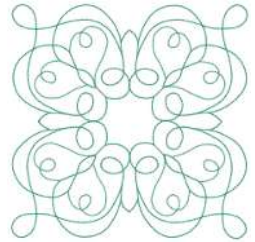



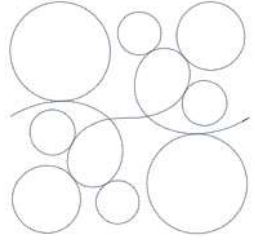





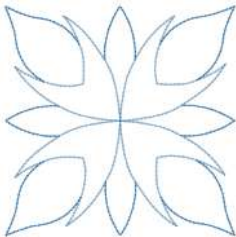





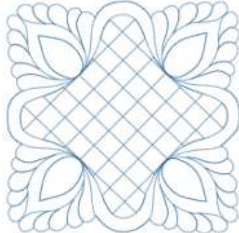
02_02_12380-22 110 x 61 mm 2.489
 4.4 x 2.4 inch

- 1. ■ Isacord 40 1543



























APPENDIX























| | |
|---|--|
| <p>02_03_12380-43 124 x 124 mm 4.9 x 4.9 inch 8.262</p> | <p>02_04_12383-09 113 x 77 mm 4.4 x 3 inch 4.812</p> |
| <p>1. ■ Isacord 40 1543</p>  | <p>1. ■ Applique 1 2. ■ Applique 3 3. ■ Isacord 40 0713 4. ■ Isacord 40 1903 5. ■ Isacord 40 1352 6. ■ Isacord 40 0003 7. ■ Isacord 40 3666</p>  |
| <p>02_06_12607-20 122 x 122 mm 4.8 x 4.8 inch 1.057</p> | <p>02_07_bd289_l_bernette 155 x 155 mm 6.1 x 6.1 inch 4.926</p> |
| <p>1. ■ Isacord 40 0020</p>  | <p>1. ■ Isacord 40 5210</p>  |
| <p>02_08_bd502_48 62 x 61 mm 2.4 x 2.4 inch 1.141</p> | <p>02_09_bd513_48 64 x 64 mm 2.5 x 2.5 inch 952</p> |
| <p>1. ■ Isacord 40 3450</p>  | <p>1. ■ Isacord 40 1860</p>  |
| <p>02_10_bd796_48 47 x 173 mm 1.9 x 6.8 inch 520</p> | <p>02_11_bd800_48 126 x 122 mm 5 x 4.8 inch 608</p> |
| <p>1. ■ Isacord 40 3654</p>  | <p>1. ■ Isacord 40 3654</p>  |
| <p>02_12_bd837_48 124 x 124 mm 4.9 x 4.9 inch 1.631</p> | <p>02_13_nb934_48 132 x 165 mm 5.2 x 6.5 inch 9.197</p> |
| <p>1. ■ Isacord 40 0138</p>  | <p>1. ■ Isacord 40 2152 2. ■ Isacord 40 0941 3. ■ Isacord 40 1233 4. ■ Isacord 40 1760 5. ■ Isacord 40 2521 6. ■ Isacord 40 6043 7. ■ Isacord 40 0941 8. ■ Isacord 40 2152</p>  |

| | |
|---|---|
| 02_14_quilt-02 102 x 102 mm 4 x 4 inch 894 | 02_15_quilt-09 140 x 140 mm 5.5 x 5.5 inch 1.999 |
| 1.  Isacord 40 3713  | 1.  Isacord 40 3713  |
| 02_16_quilt-10 140 x 140 mm 5.5 x 5.5 inch 1.743 | 02_17_quilt-11 140 x 140 mm 5.5 x 5.5 inch 2.696 |
| 1.  Isacord 40 3612  | 1.  Isacord 40 3713  |


























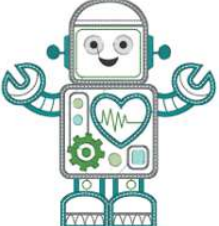


































































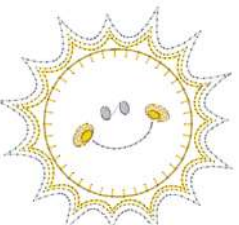
Borders and Lace

| | |
|--|---|
|  03_01_12398-02 26 x 153 mm 1 x 6 inch 13.031 |  03_02_12410-08 80 x 168 mm 3.2 x 6.6 inch 22.494 |
| 1.  Isacord 40 0670  | 1.  Isacord 40 0101  |
|  03_03_12594-03 36 x 152 mm 1.4 x 6 inch 28.823 |  03_04_12659-01 45 x 58 mm 1.8 x 2.3 inch 6.790 |
| 1. 0001 2. 0003 3. 0003 4.  Isacord 40 3644 5.  Isacord 40 4740 6.  Isacord 40 0532 7.  Isacord 40 0101 8.  Isacord 40 3722 9. 0003 10.  Isacord 40 3722  | 1.  Isacord 40 1362 2.  Isacord 40 1532  |
| 03_05_bc01505 118 x 123 mm 4.7 x 4.8 inch 16.453 | 03_06_bc01506 103 x 132 mm 4.1 x 5.2 inch 17.418 |
| 1.  Isacord 40 0722 2.  Isacord 40 3666  | 1.  Isacord 40 0722 2.  Isacord 40 3666  |





























































APPENDIX

| | | | | | |
|--|---|--------|---|---|-------|
| 03_07_bd567_48 | 108 x 108 mm 4.3 x 4.3 inch | 4.361 | 03_08_be790504 | 121 x 121 mm 4.8 x 4.8 inch | 4.905 |
| 1.  Isacord 40 2560 |  | | 1.  Isacord 40 3544 |  | |
| 03_09_be790702 | 73 x 190 mm 2.9 x 7.5 inch | 9.136 | 03_10_be790704 | 72 x 218 mm 2.9 x 8.6 inch | 3.639 |
| 1.  Isacord 40 6011 |  | | 1.  Isacord 40 0501 2.  Isacord 40 5613 3.  Isacord 40 0020 |  | |
| 03_11_be790705 | 42 x 169 mm 1.7 x 6.7 inch | 4.712 | 03_12_fq736_48 | 8 x 253 mm 0.3 x 10 inch | 5.125 |
| 1.  Isacord 40 3900 |  | | 1.  Isacord 40 0945 2.  Isacord 40 4240 3.  Isacord 40 3963 |  | |
| 03_13_ny217 | 67 x 152 mm 2.6 x 6 inch | 12.423 | 03_14_nx952 | 66 x 99 mm 2.6 x 3.9 inch | 7.276 |
| 1.  Isacord 40 2530 |  | | 1.  Isacord 40 3820 |  | |
| 03_15_nx238 | 71 x 98 mm 2.8 x 3.9 inch | 6.188 | | | |
| 1.  Isacord 40 1306 |  | | | | |



































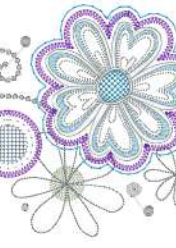



























Children

| | | | |
|--|---|--|---|
| 04_01_12401-17 99 x 55 mm 3.9 x 2.2 inch | 1.363 |  04_02_12590-03 135 x 147 mm 5.3 x 5.8 inch | 22.175 |
| <ol style="list-style-type: none"> 1.  Isacord 40 0741 2.  Isacord 40 0520 3.  Isacord 40 6043 4.  Isacord 40 0152 5.  Isacord 40 4740 6.  Isacord 40 0822 |  | <ol style="list-style-type: none"> 1.  Applique 1 2.  Applique 2 3.  Applique 1 4.  Applique 2 5.  Applique 1 6.  Applique 2 7.  Applique 1 8.  Applique 2 9.  Isacord 40 0003 10.  Isacord 40 0020 11.  Isacord 40 5510 12.  Isacord 40 5650 13.  Isacord 40 4740 14.  Isacord 40 4410 15.  Isacord 40 4410 16.  Isacord 40 0108 17.  Isacord 40 0003 |  |
| 04_03_be790306_4 132 x 151 mm 5.2 x 6 inch | 18.421 |  04_04_be790307 142 x 127 mm 5.6 x 5 inch | 19.736 |
| <ol style="list-style-type: none"> 1.  Isacord 40 0003 2.  Applique 1 3.  Applique 3 4.  Isacord 40 0003 5.  Isacord 40 3910 6.  Isacord 40 0230 7.  Isacord 40 2723 8.  Isacord 40 1301 9.  Isacord 40 2640 10.  Isacord 40 0003 11.  Isacord 40 3332 |  | <ol style="list-style-type: none"> 1.  Applique 1 2.  Applique 3 3.  Isacord 40 3130 4.  Applique 1 5.  Applique 3 6.  Isacord 40 0003 7.  Isacord 40 1720 8.  Isacord 40 0020 9.  Isacord 40 0520 10.  Isacord 40 3541 |  |
|  04_05_be790313 99 x 102 mm 3.9 x 4 inch | 8.694 |  04_06_cm193_48 107 x 128 mm 4.2 x 5 inch | 12.448 |
| <ol style="list-style-type: none"> 1.  Applique 1 2.  Applique 3 3.  Isacord 40 0017 4.  Isacord 40 1200 5.  Isacord 40 1720 6.  Isacord 40 3332 7.  Isacord 40 2723 8.  Isacord 40 5415 9.  Isacord 40 1200 10.  Isacord 40 0520 11.  Isacord 40 3910 12.  Isacord 40 0020 13.  Isacord 40 0003 |  | <ol style="list-style-type: none"> 1.  Applique 1 2.  Applique 3 3.  Applique 1 4.  Applique 3 5.  Isacord 40 2152 6.  Isacord 40 3652 7.  Isacord 40 2250 8.  Isacord 40 3770 9.  Isacord 40 2250 10.  Isacord 40 0101 |  |
| 04_07_cm368_48 70 x 140 mm 2.8 x 5.5 inch | 4.406 |  04_08_cm376_48_Applique 100 x 98 mm 3.9 x 3.8 inch | 2.786 |
| <ol style="list-style-type: none"> 1.  Isacord 40 2155 2.  Isacord 40 0184 3.  Isacord 40 3045 4.  Isacord 40 0520 5.  Isacord 40 0105 |  | <ol style="list-style-type: none"> 1.  Applique 1 2.  Applique 2 3.  Isacord 40 0703 4.  Isacord 40 0105 5.  Isacord 40 0520 6.  Isacord 40 0713 7.  Isacord 40 0605 8.  Isacord 40 3971 |  |







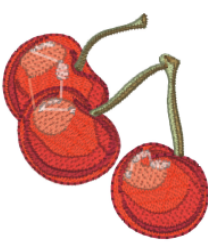



APPENDIX

| | |
|---|---|
| 04_09_na667 84 x 84 mm 3.3 x 3.3 inch 1.003 | 04_10_nb302_48 68 x 80 mm 2.7 x 3.2 inch 5.524 |
| 1.  Isacord 40 2530 2.  Isacord 40 2532  | 1.  Isacord 40 3770 2.  Isacord 40 0520 3.  Isacord 40 0003 4.  Isacord 40 3730 5.  Isacord 40 0506 6.  Isacord 40 1106 7.  Isacord 40 1703 8.  Isacord 40 0020 9.  Isacord 40 0506 10.  Isacord 40 0501 11.  Isacord 40 0020  |
| 04_11_ck229_3 89 x 98 mm 3.5 x 3.9 inch 14.213 | 04_12_cm428_48 78 x 106 mm 3.1 x 4.2 inch 15.876 |
| 1.  Isacord 40 0003 2.  Isacord 40 0015 3.  Isacord 40 3730 4.  Isacord 40 2650 5.  Isacord 40 2655 6.  Isacord 40 2171 7.  Isacord 40 2155 8.  Isacord 40 2152 9.  Isacord 40 0660 10.  Isacord 40 1060 11.  Isacord 40 0270 12.  Isacord 40 0520 13.  Isacord 40 2650  | 1.  Isacord 40 0741 2.  Isacord 40 0970 3.  Isacord 40 1140 4.  Isacord 40 0934 5.  Isacord 40 1134 6.  Isacord 40 2650 7.  Isacord 40 2153 8.  Isacord 40 2600 9.  Isacord 40 0020 10.  Isacord 40 1140 11.  Isacord 40 0003  |
| 04_13_ms974 94 x 99 mm 3.7 x 3.9 inch 22.005 | 04_14_nz612 96 x 100 mm 3.8 x 3.9 inch 8.194 |
| 1.  Isacord 40 0003 2.  Isacord 40 2723 3.  Isacord 40 0003 4.  Isacord 40 0230 5.  Isacord 40 0670 6.  Isacord 40 0150 7.  Isacord 40 0020 8.  Isacord 40 0861  | 1.  Isacord 40 3045 2.  Isacord 40 2532 3.  Isacord 40 2170  |
| 04_15_nz613 103 x 84 mm 4.1 x 3.3 inch 7.271 | 04_16_nz611 100 x 81 mm 3.9 x 3.2 inch 6.030 |
| 1.  Isacord 40 3410 2.  Isacord 40 3963  | 1.  Isacord 40 1906 2.  Isacord 40 0182  |

















































Flowers

| | | | | | |
|---|---|--|---|--------------------------------|--------|
|  05_01_12392-01 | 112 x 158 mm 4.4 x 6.2 inch | 7.347 | 05_02_12392-13 | 112 x 204 mm 4.4 x 8 inch | 5.295 |
| <ol style="list-style-type: none"> 1.  Isacord 40 1352 2.  Applique 1 3.  Applique 3 4.  Isacord 40 1120 5.  Isacord 40 4740 6.  Isacord 40 4103 7.  Applique 1 8.  Applique 3 9.  Isacord 40 0003 |  | <ol style="list-style-type: none"> 1.  Isacord 40 4740 2.  Isacord 40 4103 3.  Isacord 40 1352 4.  Isacord 40 1120 |  | | |
| 05_03_21008-24 | 98 x 122 mm 3.8 x 4.8 inch | 8.892 | 05_04_be790406 | 120 x 181 mm 4.7 x 7.1 inch | 15.427 |
| <ol style="list-style-type: none"> 1.  Isacord 40 0600 2.  Isacord 40 0824 3.  Isacord 40 0138 |  | <ol style="list-style-type: none"> 1.  Isacord 40 3963 2.  Isacord 40 4133 |  | | |
|  05_05_21012-04 | 123 x 124 mm 4.9 x 4.9 inch | 15.185 | 05_06_80001-23 | 85 x 102 mm 3.4 x 4 inch | 4.259 |
| <ol style="list-style-type: none"> 1.  Isacord 40 5650 2.  Isacord 40 0105 3.  Applique 1 4.  Applique 3 5.  Isacord 40 3963 6.  Isacord 40 0003 7.  Applique 1 8.  Applique 3 9.  Isacord 40 3910 10.  Isacord 40 0003 |  | <ol style="list-style-type: none"> 1.  Isacord 40 1120 2.  Isacord 40 1720 3.  Isacord 40 5830 4.  Isacord 40 3666 |  | | |
| 05_07_be790304_sized | 115 x 60 mm 4.5 x 2.4 inch | 5.771 | 05_08_be790401_bernet te_new | 155 x 221 mm 6.1 x 8.7 inch | 9.118 |
| <ol style="list-style-type: none"> 1.  Isacord 40 3110 2.  Isacord 40 4103 3.  Isacord 40 5411 4.  Isacord 40 0501 5.  Isacord 40 1720 6.  Isacord 40 1332 7.  Isacord 40 1950 8.  Isacord 40 2723 |  | <ol style="list-style-type: none"> 1.  Isacord 40 1720 |  | | |
| 05_09_be790402_sized | 136 x 259 mm 5.3 x 10.2 inch | 10.407 | 05_10_be790404_bernet te | 157 x 180 mm 6.2 x 7.1 inch | 33.748 |
| <ol style="list-style-type: none"> 1.  Isacord 40 1355 |  | <ol style="list-style-type: none"> 1.  Isacord 40 6031 2.  Isacord 40 6011 3.  Isacord 40 2160 4.  Isacord 40 2508 5.  Isacord 40 2550 6.  Isacord 40 2732 7.  Isacord 40 6011 8.  Isacord 40 6031 |  | | |











APPENDIX

| | | | | | |
|--|---|--------|--|---|--------|
| 05_11_fl135 | 89 x 87 mm 3.5 x 3.4 inch | 12.534 | 05_12_fl136 | 85 x 89 mm 3.3 x 3.5 inch | 8.399 |
| <ol style="list-style-type: none"> 1. ■ Isacord 40 5833 2. ■ Isacord 40 6051 3. ■ Isacord 40 5100 4. ■ Isacord 40 0101 5. ■ Isacord 40 2550 |  | | <ol style="list-style-type: none"> 1. ■ Isacord 40 0600 2. ■ Isacord 40 5100 3. ■ Isacord 40 5565 4. ■ Isacord 40 0101 5. ■ Isacord 40 3650 |  | |
| 05_13_fq527_48 | 90 x 142 mm 3.6 x 5.6 inch | 2.729 | 05_14_fq562_48 | 90 x 156 mm 3.6 x 6.2 inch | 5.851 |
| <ol style="list-style-type: none"> 1. ■ Isacord 40 5650 |  | | <ol style="list-style-type: none"> 1. ■ Isacord 40 5830 2. ■ Isacord 40 3045 |  | |
| 05_15_fq808_48 | 124 x 142 mm 4.9 x 5.6 inch | 8.309 | 05_16_fq810_48 | 24 x 206 mm 0.9 x 8.1 inch | 6.864 |
| <ol style="list-style-type: none"> 1. ■ Isacord 40 5833 2. ■ Isacord 40 6031 3. ■ Isacord 40 1761 4. ■ Isacord 40 2155 5. ■ Isacord 40 0101 |  | | <ol style="list-style-type: none"> 1. ■ Isacord 40 6043 2. ■ Isacord 40 5650 3. ■ Isacord 40 1761 4. ■ Isacord 40 2155 5. ■ Isacord 40 0101 |  | |
| 05_17_na146 | 63 x 69 mm 2.5 x 2.7 inch | 7.882 | 05_18_nb039_48 | 97 x 127 mm 3.8 x 5 inch | 11.584 |
| <ol style="list-style-type: none"> 1. ■ Isacord 40 1306 2. ■ Isacord 40 1720 3. ■ Isacord 40 1900 4. ■ Isacord 40 1352 5. ■ Isacord 40 2171 6. ■ Isacord 40 6051 7. ■ Isacord 40 0941 |  | | <ol style="list-style-type: none"> 1. ■ Isacord 40 1140 2. ■ Isacord 40 0832 3. ■ Isacord 40 5513 |  | |
| 05_19_rose_s | 64 x 129 mm 2.5 x 5.1 inch | 11.105 | 05_20_sunflower | 91 x 88 mm 3.6 x 3.5 inch | 17.101 |
| <ol style="list-style-type: none"> 1. ■ Isacord 40 1600 2. ■ Isacord 40 1725 3. ■ Isacord 40 5531 4. ■ Isacord 40 5422 |  | | <ol style="list-style-type: none"> 1. ■ Isacord 40 0220 2. ■ Isacord 40 5833 3. ■ Isacord 40 5233 4. ■ Isacord 40 5912 5. ■ Isacord 40 0220 6. ■ Isacord 40 0608 7. ■ Isacord 40 0704 8. ■ Isacord 40 1430 9. ■ Isacord 40 1172 10. ■ Isacord 40 0822 |  | |

















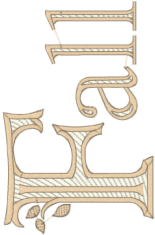





















































11. ■ Isacord 40 1154

| | | | | | | | |
|--|---|---|--|--|---|--------|--|
| 05_21_fp005 | 81 x 95 mm 3.2 x 3.8 inch | 3.739 | | 05_22_fm856 | 76 x 68 mm 3 x 2.7 inch | 15.648 | |
| 1.  Isacord 40 3820 |  | | | 1.  Isacord 40 6051 |  | | |
| 2.  Isacord 40 3045 | | | | 2.  Isacord 40 5912 | | | |
| | | 3.  Isacord 40 6043 | | | | | |
| | | 4.  Isacord 40 0003 | | | | | |
| | | 5.  Isacord 40 0184 | | | | | |
| | | 6.  Isacord 40 0105 | | | | | |
| | | 7.  Isacord 40 0230 | | | | | |
| | | 8.  Isacord 40 0506 | | | | | |
| | | 9.  Isacord 40 0811 | | | | | |
| 05_23_fq681_48 | 107 x 139 mm 4.2 x 5.5 inch | 23.730 | | 05_24_fp238 | 61 x 65 mm 2.4 x 2.6 inch | 4.135 | |
| 1.  Isacord 40 5822 |  | | | 1.  Isacord 40 6011 |  | | |
| 2.  Isacord 40 6051 | | | | 2.  Isacord 40 5115 | | | |
| 3.  Isacord 40 5833 | | | | 3.  Isacord 40 5633 | | | |
| 4.  Isacord 40 6043 | | | | 4.  Isacord 40 2640 | | | |
| 5.  Isacord 40 0532 | | | | 5.  Isacord 40 2510 | | | |
| 6.  Isacord 40 6043 | | | | | | | |
| 7.  Isacord 40 0345 | | | | | | | |
| 8.  Isacord 40 0453 | | | | | | | |
| 9.  Isacord 40 0003 | | | | | | | |
| 10.  Isacord 40 2171 | 11.  Isacord 40 0870 | 12.  Isacord 40 0741 | | | | | |
| 13.  Isacord 40 0970 | 14.  Isacord 40 0250 | 15.  Isacord 40 1140 | | | | | |
| 16.  Isacord 40 1060 | 17.  Isacord 40 1761 | 18.  Isacord 40 5830 | | | | | |
| 05_25_fq239_48 | 62 x 90 mm 2.5 x 3.6 inch | 7.978 | | | | | |
| 1.  Isacord 40 0870 |  | | | | | | |
| 2.  Isacord 40 0182 | | | | | | | |
| 3.  Isacord 40 0250 | | | | | | | |
| 4.  Isacord 40 5830 | | | | | | | |
| 5.  Isacord 40 1940 | | | | | | | |
| 6.  Isacord 40 3770 | | | | | | | |
| 7.  Isacord 40 1906 | | | | | | | |
| 8.  Isacord 40 5912 | | | | | | | |
| 9.  Isacord 40 0660 | | | | | | | |

Seasons

| | | | | | | | |
|--|---|--------|--|--|---|--------|--|
| 06_01_12384-02 | 133 x 204 mm 5.2 x 8 inch | 25.185 | | 06_02_12384-11 | 84 x 190 mm 3.3 x 7.5 inch | 12.644 | |
| 1.  Isacord 40 1055 |  | | | 1.  Isacord 40 0970 |  | | |
| 2.  Isacord 40 4103 | | | | 2.  Isacord 40 0532 | | | |
| 3.  Isacord 40 4111 | | | | | | | |
| 4.  Isacord 40 3971 | | | | | | | |
| 5.  Isacord 40 0532 | | | | | | | |
| 6.  Isacord 40 0454 | | | | | | | |

APPENDIX

| | | | | | |
|---|---|--------|--|---|--------|
| 06_03_12400-03 | 123 x 161 mm 4.9 x 6.4 inch | 19.416 | 06_04_12400-11 | 74 x 212 mm 2.9 x 8.3 inch | 12.396 |
| <ol style="list-style-type: none"> 1.  Isacord 40 0934 2.  Isacord 40 0270 3.  Isacord 40 0532 4.  Isacord 40 6043 |  | | <ol style="list-style-type: none"> 1.  Isacord 40 0270 2.  Isacord 40 4740 |  | |
| 06_05_12427-01 | 134 x 168 mm 5.3 x 6.6 inch | 24.884 | 06_06_12427-11 | 82 x 126 mm 3.2 x 5 inch | 8.697 |
| <ol style="list-style-type: none"> 1.  Isacord 40 0853 2.  Isacord 40 0811 3.  Isacord 40 1321 4.  Isacord 40 1115 5.  Isacord 40 1060 |  | | <ol style="list-style-type: none"> 1.  Isacord 40 0970 2.  Isacord 40 1140 |  | |
| 06_07_12443-03 | 120 x 161 mm 4.7 x 6.4 inch | 17.327 | 06_08_12443-11 | 73 x 193 mm 2.9 x 7.6 inch | 11.324 |
| <ol style="list-style-type: none"> 1.  Isacord 40 0152 2.  Isacord 40 0101 3.  Isacord 40 3652 4.  Isacord 40 3631 |  | | <ol style="list-style-type: none"> 1.  Isacord 40 0101 2.  Isacord 40 0017 |  | |
| 06_09_be790301_sized_2 | 116 x 81 mm 4.6 x 3.2 inch | 8.792 | 06_10_be790303 | 69 x 70 mm 2.7 x 2.8 inch | 5.560 |
| <ol style="list-style-type: none"> 1.  Isacord 40 1172 2.  Isacord 40 2363 3.  Isacord 40 1720 4.  Isacord 40 4103 5.  Isacord 40 1200 6.  Isacord 40 0520 7.  Isacord 40 0731 8.  Isacord 40 1322 9.  Isacord 40 6151 10.  Isacord 40 0020 |  | | <ol style="list-style-type: none"> 1.  Isacord 40 0520 2.  Isacord 40 1106 3.  Isacord 40 0020 4.  Isacord 40 0003 |  | |
| 06_11_na006 | 72 x 92 mm 2.9 x 3.6 inch | 12.011 |  06_12_hg747_48 | 124 x 147 mm 4.9 x 5.8 inch | 18.448 |
| <ol style="list-style-type: none"> 1.  Isacord 40 0506 2.  Isacord 40 0520 3.  Isacord 40 0704 4.  Isacord 40 1102 5.  Isacord 40 0250 6.  Isacord 40 1352 7.  Isacord 40 1220 8.  Isacord 40 2320 9.  Isacord 40 1906 |  | | <ol style="list-style-type: none"> 1.  Isacord 40 0970 2.  Isacord 40 3770 3.  Isacord 40 5912 4.  Isacord 40 0520 5.  Isacord 40 0811 6.  Isacord 40 2655 7.  Isacord 40 2655 8.  Applique 1 9.  Applique 2 |  | |
| | | | <ol style="list-style-type: none"> 10.  Applique 1 11.  Applique 2 12.  Applique 1 13.  Applique 2 14.  Isacord 40 4073 15.  Isacord 40 0020 16.  Isacord 40 1200 17.  Isacord 40 0101 | | |

06_13_12421-03 46 x 48 mm 2.327
1.8 x 1.9 inch

- 1. ■ Isacord 40 0020
- 2. ■ Isacord 40 0003
- 3. ■ Isacord 40 0152



06_14_12421-11 40 x 44 mm 3.974
1.6 x 1.7 inch

- 1. ■ Isacord 40 0702
- 2. ■ Isacord 40 0506
- 3. ■ Isacord 40 0020
- 4. ■ Isacord 40 0003



06_15_12421-37 67 x 61 mm 1.322
2.6 x 2.4 inch

- 1. ■ Isacord 40 0020



06_16_fq749_48 78 x 95 mm 5.772
3.1 x 3.7 inch

- 1. ■ Isacord 40 0811
- 2. ■ Isacord 40 1321
- 3. ■ Isacord 40 0131



06_17_he252 88 x 145 mm 12.257
3.5 x 5.7 inch

- 1. ■ Applique 1
- 2. ■ Applique 2
- 3. ■ Applique 3
- 4. ■ Applique 1
- 5. ■ Applique 2
- 6. ■ Applique 3
- 7. ■ Isacord 40 0741
- 8. ■ Isacord 40 1703
- 9. ■ Isacord 40 1140
- 10. ■ Isacord 40 1141
- 11. ■ Isacord 40 4740
- 12. ■ Isacord 40 5115
- 13. ■ Isacord 40 5510
- 14. ■ Isacord 40 0101
- 15. ■ Isacord 40 1352
- 16. ■ Isacord 40 1521
- 17. ■ Isacord 40 0250
- 18. ■ Isacord 40 0702
- 19. ■ Applique 1
- 20. ■ Applique 2
- 21. ■ Applique 3
- 22. ■ Isacord 40 1703
- 23. ■ Isacord 40 0015
- 24. ■ Isacord 40 1141
- 25. ■ Isacord 40 5743
- 26. ■ Isacord 40 0941



06_18_he255 133 x 127 mm 17.217
5.2 x 5 inch

- 1. ■ Isacord 40 0152
- 2. ■ Applique 1
- 3. ■ Applique 2
- 4. ■ Applique 3
- 5. ■ Isacord 40 1720
- 6. ■ Isacord 40 2550
- 7. ■ Isacord 40 0270
- 8. ■ Isacord 40 5830
- 9. ■ Isacord 40 0003
- 10. ■ Isacord 40 0152
- 11. ■ Isacord 40 0660
- 12. ■ Isacord 40 3962
- 13. ■ Isacord 40 0506
- 14. ■ Isacord 40 0811
- 15. ■ Applique 1
- 16. ■ Applique 2
- 17. ■ Applique 3
- 18. ■ Isacord 40 0741
- 19. ■ Isacord 40 0015
- 20. ■ Isacord 40 1060
- 21. ■ Isacord 40 4073



06_19_he563 63 x 129 mm 12.696
2.5 x 5.1 inch

- 1. ■ Isacord 40 0832
- 2. ■ Isacord 40 1114
- 3. ■ Isacord 40 1102
- 4. ■ Isacord 40 5422
- 5. ■ Isacord 40 0670
- 6. ■ Isacord 40 0605
- 7. ■ Isacord 40 0870
- 8. ■ Isacord 40 6031
- 9. ■ Isacord 40 6051
- 10. ■ Isacord 40 1703



06_20_he919_48_3 89 x 69 mm 5.213
3.5 x 2.7 inch

- 1. ■ Isacord 40 0015
- 2. ■ Isacord 40 3730
- 3. ■ Isacord 40 3840



06_21_hg053_48 122 x 122 mm 15.405
4.8 x 4.8 inch

- 1. ■ Isacord 40 5830
- 2. ■ Isacord 40 5513
- 3. ■ Isacord 40 1720



06_22_hg795_48 89 x 164 mm 3.478
3.5 x 6.5 inch

- 1. ■ Isacord 40 6031
- 2. ■ Isacord 40 5833
- 3. ■ Isacord 40 4740
- 4. ■ Isacord 40 0546
- 5. ■ Isacord 40 1805
- 6. ■ Isacord 40 4230










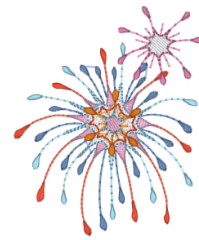
APPENDIX

| | | | | | |
|--------------------|------------------------------|-------|--------------------|------------------------------|-------|
| 06_23_hd382 | 66 x 97 mm 2.6 x 3.8 inch | 5.090 | 06_24_hd246 | 81 x 99 mm 3.2 x 3.9 inch | 6.369 |
|--------------------|------------------------------|-------|--------------------|------------------------------|-------|
















1.  Isacord 40 1906



1.  Isacord 40 2560
 2.  Isacord 40 0003
 3.  Isacord 40 3962
 4.  Isacord 40 3410
 5.  Isacord 40 1306
 6.  Isacord 40 1102
 7.  Isacord 40 2532





| | | |
|--------------------|------------------------------|--------|
| 06_25_he179 | 89 x 95 mm 3.5 x 3.8 inch | 15.887 |
|--------------------|------------------------------|--------|

1.  Isacord 40 3265
 2.  Isacord 40 0003
 3.  Isacord 40 3820
 4.  Isacord 40 3963
 5.  Isacord 40 2910
 6.  Isacord 40 2723
 7.  Isacord 40 2170
 8.  Isacord 40 3820
 9.  Isacord 40 1102
 10.  Isacord 40 0506
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 13.  Isacord 40 3265
 14.  Isacord 40 3572
 15.  Isacord 40 3963





Asia

| | | | | | |
|-----------------------------|--------------------------------|-------|-----------------------|------------------------------|-------|
| 07_01_fb276_48_sized | 115 x 103 mm 4.5 x 4.1 inch | 5.203 | 07_02_fb283_48 | 102 x 110 mm 4 x 4.3 inch | 3.741 |
|-----------------------------|--------------------------------|-------|-----------------------|------------------------------|-------|








1.  Isacord 40 3211
 2.  Isacord 40 3730












1.  Isacord 40 3211
 2.  Isacord 40 3640

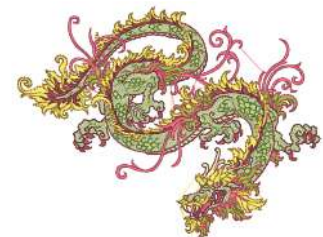


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|-----------------------|--------------------------------|--------|--------------------------------------|--------------------------------|--------|
| 07_03_fq194_48 | 120 x 118 mm 4.7 x 4.7 inch | 20.924 | 07_04_nb124_48_sized1 10% | 155 x 119 mm 6.1 x 4.7 inch | 41.343 |
|-----------------------|--------------------------------|--------|--------------------------------------|--------------------------------|--------|

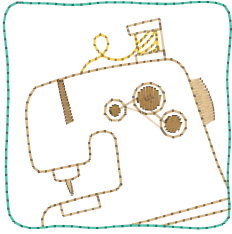













1.  Isacord 40 1352
 2.  Isacord 40 0811
 3.  Isacord 40 0640
 4.  Isacord 40 0832
 5.  Isacord 40 1521
 6.  Isacord 40 1703
 7.  Isacord 40 0781













1.  Isacord 40 0101
 2.  Isacord 40 0250
 3.  Isacord 40 6051
 4.  Isacord 40 5912
 5.  Isacord 40 0230
 6.  Isacord 40 1921
 7.  Isacord 40 1940
 8.  Isacord 40 0811
 9.  Isacord 40 1921




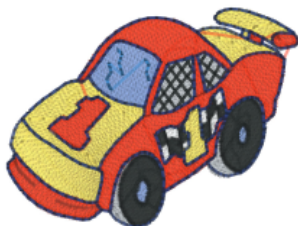

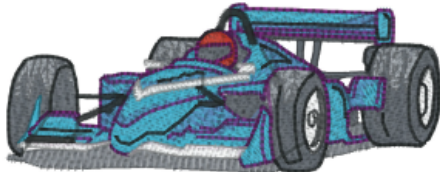



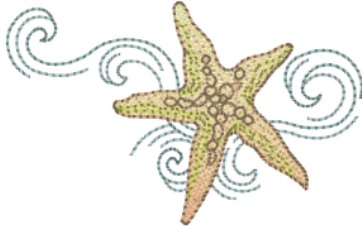


Sport and Hobbies

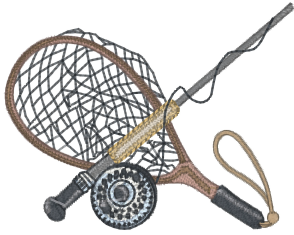



| | | | | | | | |
|---|--------------------------------|--------|---|--|--------------------------------|--------|---|
| 08_01_12465-33 | 80 x 80 mm 3.1 x 3.1 inch | 2.084 |  | 08_02_nx688 | 92 x 86 mm 3.6 x 3.4 inch | 18.890 |  |
| 1. Isacord 40 0851 2. Isacord 40 0506 3. Isacord 40 0941 4. Isacord 40 5115 | | | | 1. Isacord 40 0250 2. Isacord 40 1030 3. Isacord 40 1114 4. Isacord 40 1060 5. Isacord 40 0934 6. Isacord 40 0105 7. Isacord 40 3265 8. Isacord 40 0020 9. Isacord 40 1114 | | | |
|  08_03_12611-08_1 | 80 x 120 mm 3.1 x 4.7 inch | 5.764 |  |  08_04_12611-21 | 72 x 156 mm 2.8 x 6.1 inch | 11.525 |  |
| 1. Applique 1 2. Applique 3 3. Applique 1 4. Applique 3 5. Isacord 40 1032 6. Isacord 40 5440 7. Isacord 40 1703 | | | | 1. Applique 1 2. Applique 2 3. Isacord 40 1703 | | | |
|  08_05_12611-22 | 72 x 156 mm 2.8 x 6.1 inch | 12.524 |  |  08_06_12611-23 | 72 x 156 mm 2.8 x 6.1 inch | 12.843 |  |
| 1. Applique 1 2. Applique 2 3. Isacord 40 1703 | | | | 1. Applique 1 2. Applique 2 3. Isacord 40 1703 | | | |
|  08_07_12677-01_sized | 117 x 115 mm 4.6 x 4.5 inch | 11.619 |  |  08_08_12677-02 | 116 x 115 mm 4.6 x 4.5 inch | 12.189 |  |
| 1. Applique 1 2. Applique 3 3. Applique 1 4. Applique 3 5. Applique 1 6. Applique 3 7. Applique 1 8. Applique 3 9. Applique 1 10. Applique 3 11. Applique 1 12. Applique 3 13. Applique 1 14. Applique 3 15. Isacord 40 1060 16. Isacord 40 0131 17. Isacord 40 0003 18. Isacord 40 0741 19. Isacord 40 3910 20. Isacord 40 1220 | | | | 1. Applique 1 2. Applique 3 3. Applique 1 4. Applique 3 5. Applique 1 6. Applique 3 7. Applique 1 8. Applique 3 9. Applique 1 10. Applique 3 11. Isacord 40 0003 12. Isacord 40 0184 13. Isacord 40 0138 14. Isacord 40 0131 15. Isacord 40 0600 | | | |

APPENDIX

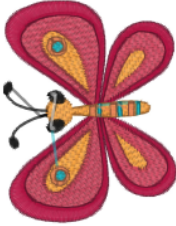





| | | | | | |
|---|---|--|---|--------------------------------|--------|
| 08_09_12677-03_sized | 117 x 82 mm 4.6 x 3.2 inch | 6.245 | 08_10_80085-25 | 135 x 166 mm 5.3 x 6.5 inch | 14.384 |
| <ol style="list-style-type: none"> 1. Applique 1 2. Applique 3 3. Applique 1 4. Applique 1 5. Applique 3 6. Applique 3 7. Applique 1 8. Applique 3 9. Isacord 40 0131 10. Isacord 40 5050 11. Isacord 40 0811 12. Isacord 40 1600 13. Isacord 40 4220 14. Isacord 40 0138 |  | <ol style="list-style-type: none"> 1. Applique 1 2. Applique 3 3. Applique 1 4. Applique 3 5. Isacord 40 0020 6. Isacord 40 0108 7. Applique 1 8. Applique 3 9. Isacord 40 4220 10. Isacord 40 0105 11. Isacord 40 0003 12. Isacord 40 2320 13. Isacord 40 0020 |  | | |
| 08_11_be790601_s | 80 x 80 mm 3.2 x 3.2 inch | 12.518 | 08_12_be790602 | 80 x 76 mm 3.2 x 3 inch | 10.172 |
| <ol style="list-style-type: none"> 1. Isacord 40 4133 2. Isacord 40 0800 |  | <ol style="list-style-type: none"> 1. Isacord 40 5324 2. Isacord 40 6031 3. Isacord 40 0003 |  | | |
| 08_13_be790603 | 80 x 75 mm 3.2 x 2.9 inch | 11.777 | 08_14_be790604 | 80 x 80 mm 3.1 x 3.2 inch | 19.120 |
| <ol style="list-style-type: none"> 1. Isacord 40 0003 2. Isacord 40 3654 |  | <ol style="list-style-type: none"> 1. Isacord 40 0270 2. Isacord 40 1233 3. Isacord 40 0270 |  | | |
| 08_15_be790605 | 80 x 80 mm 3.1 x 3.1 inch | 14.132 | 08_16_be790606_s | 100 x 86 mm 3.9 x 3.4 inch | 7.418 |
| <ol style="list-style-type: none"> 1. Isacord 40 0003 2. Isacord 40 3363 3. Isacord 40 4410 4. Isacord 40 0020 |  | <ol style="list-style-type: none"> 1. Isacord 40 0020 2. Isacord 40 1306 |  | | |
| 08_17_be790607 | 80 x 74 mm 3.1 x 2.9 inch | 6.047 | 08_18_be790608 | 80 x 80 mm 3.2 x 3.1 inch | 7.916 |
| <ol style="list-style-type: none"> 1. Isacord 40 0940 |  | <ol style="list-style-type: none"> 1. Isacord 40 0020 |  | | |




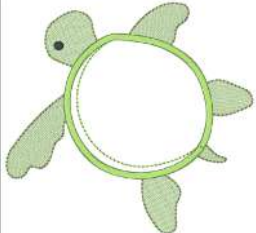






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|--|---|--|---|
| 08_19_sp980 63 x 64 mm 2.5 x 2.5 inch | 11.261 | 08_20_sp989 102 x 82 mm 4 x 3.2 inch | 10.839 |
| 1. Isacord 40 0003 2. Isacord 40 0142 3. Isacord 40 0020 |  | 1. Isacord 40 3265 2. Isacord 40 0105 3. Isacord 40 4113 4. Isacord 40 3963 5. Isacord 40 0310 6. Isacord 40 0250 7. Isacord 40 0020 |  |
| 08_21_ck510 76 x 60 mm 3 x 2.4 inch | 8.086 | 08_22_ck522 71 x 53 mm 2.8 x 2.1 inch | 9.101 |
| 1. Isacord 40 6043 2. Isacord 40 3730 3. Isacord 40 4101 4. Isacord 40 4073 5. Isacord 40 0003 6. Isacord 40 3211 7. Isacord 40 3666 8. Isacord 40 0003 |  | 1. Isacord 40 3331 2. Isacord 40 0105 3. Isacord 40 0003 4. Isacord 40 0020 5. Isacord 40 0230 6. Isacord 40 1306 7. Isacord 40 3713 8. Isacord 40 3333 |  |
| 08_23_ck970 85 x 82 mm 3.3 x 3.2 inch | 16.590 | 08_24_lt749_1 99 x 38 mm 3.9 x 1.5 inch | 12.026 |
| 1. Isacord 40 0182 2. Isacord 40 0873 3. Isacord 40 2655 4. Isacord 40 0105 5. Isacord 40 2655 6. Isacord 40 3045 7. Isacord 40 2655 8. Isacord 40 3650 9. Isacord 40 3641 10. Isacord 40 1761 13. Isacord 40 0003 |  | 1. Isacord 40 3265 2. Isacord 40 0105 3. Isacord 40 1703 4. Isacord 40 4113 5. Isacord 40 3410 6. Isacord 40 2704 7. Isacord 40 0003 8. Isacord 40 0020 |  |
| 08_25_lt920 89 x 56 mm 3.5 x 2.2 inch | 5.160 | 08_26_cm442_48 46 x 47 mm 1.8 x 1.9 inch | 4.689 |
| 1. Isacord 40 1306 |  | 1. Isacord 40 0640 2. Isacord 40 1306 3. Isacord 40 1335 4. Isacord 40 3631 5. Isacord 40 3332 6. Isacord 40 0101 7. Isacord 40 6071 8. Isacord 40 0003 |  |
| 08_27_lt870 98 x 57 mm 3.8 x 2.2 inch | 10.405 | 08_28_nb759_48 99 x 62 mm 3.9 x 2.4 inch | 4.941 |
| 1. Isacord 40 0015 2. Isacord 40 0003 3. Isacord 40 0182 4. Isacord 40 1703 5. Isacord 40 0934 6. Isacord 40 1154 7. Isacord 40 0020 8. Isacord 40 3770 9. Isacord 40 0101 |  | 1. Isacord 40 4752 2. Isacord 40 0250 3. Isacord 40 1362 4. Isacord 40 6011 5. Isacord 40 1141 |  |

APPENDIX











| | | | | | |
|--|---|--|---|------------------------------|--------|
| 08_29_rc675_s | 102 x 80 mm 4 x 3.1 inch | 10.534 | 08_30_rc765_48 | 101 x 99 mm 4 x 3.9 inch | 11.237 |
| <ol style="list-style-type: none"> 1. Isacord 40 0853 2. Isacord 40 4174 3. Isacord 40 0142 4. Isacord 40 1061 5. Isacord 40 1565 6. Isacord 40 0111 7. Isacord 40 3971 8. Isacord 40 1172 9. Isacord 40 0842 10. Isacord 40 0101 11. Isacord 40 3840 12. Isacord 40 4174 13. Isacord 40 0142 |  | <ol style="list-style-type: none"> 1. Isacord 40 0934 2. Isacord 40 1703 3. Isacord 40 0003 4. Isacord 40 0145 5. Isacord 40 0105 6. Isacord 40 1154 7. Isacord 40 0702 8. Isacord 40 1720 9. Isacord 40 3963 |  | | |
| 08_31_sr067 | 87 x 97 mm 3.4 x 3.8 inch | 16.145 | 08_32_sr589 | 95 x 66 mm 3.8 x 2.6 inch | 14.872 |
| <ol style="list-style-type: none"> 1. Isacord 40 3962 2. Isacord 40 0640 3. Isacord 40 4610 4. Isacord 40 4740 5. Isacord 40 1200 6. Isacord 40 0501 7. Isacord 40 5613 8. Isacord 40 4103 9. Isacord 40 0020 |  | <ol style="list-style-type: none"> 1. Isacord 40 3770 2. Isacord 40 1030 3. Isacord 40 1102 4. Isacord 40 1114 5. Isacord 40 3410 6. Isacord 40 1720 7. Isacord 40 0003 8. Isacord 40 3666 |  | | |

Animals

| | | | | | |
|--|---|--|---|--------------------------------|--------|
| 09_01_be790302_2 | 48 x 62 mm 1.9 x 2.4 inch | 5.883 | 09_02_12672-02 | 138 x 133 mm 5.4 x 5.3 inch | 32.505 |
| <ol style="list-style-type: none"> 1. Isacord 40 1114 2. Isacord 40 1730 3. Isacord 40 2101 4. Isacord 40 1114 5. Isacord 40 0020 6. Isacord 40 0015 7. Isacord 40 4116 8. Isacord 40 1600 |  | <ol style="list-style-type: none"> 1. Isacord 40 0003 2. Isacord 40 2532 3. Isacord 40 2508 4. Isacord 40 2170 5. Isacord 40 2702 |  | | |
| 09_03_cm022_48 | 89 x 97 mm 3.5 x 3.8 inch | 10.327 | 09_04_cm142_48 | 57 x 67 mm 2.2 x 2.6 inch | 4.590 |
| <ol style="list-style-type: none"> 1. Isacord 40 1140 2. Isacord 40 6031 3. Isacord 40 1940 4. Isacord 40 0003 5. Isacord 40 1362 6. Isacord 40 2910 7. Isacord 40 5830 8. Isacord 40 2655 |  | <ol style="list-style-type: none"> 1. Isacord 40 0003 2. Isacord 40 0020 3. Isacord 40 3852 4. Isacord 40 2723 5. Isacord 40 2655 6. Isacord 40 0670 7. Isacord 40 3045 8. Isacord 40 2920 |  | | |
| 09_05_cm211_48 | 80 x 71 mm 3.2 x 2.8 inch | 6.983 | 09_06_cm213_48 | 58 x 102 mm 2.3 x 4 inch | 7.867 |
| <ol style="list-style-type: none"> 1. Isacord 40 1140 2. Isacord 40 1123 3. Isacord 40 0822 4. Isacord 40 1140 5. Isacord 40 0970 6. Isacord 40 2155 7. Isacord 40 0020 8. Isacord 40 0731 |  | <ol style="list-style-type: none"> 1. Isacord 40 2155 2. Isacord 40 1032 3. Isacord 40 1123 4. Isacord 40 1140 5. Isacord 40 0970 6. Isacord 40 0020 7. Isacord 40 1032 |  | | |

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|---|---|---|---|--|---------------|
| <p>09_07_cm220_48</p> | <p>71 x 72 mm 2.8 x 2.8 inch</p> | <p>7.791</p> | <p>09_08_cm226_48</p> | <p>63 x 63 mm 2.5 x 2.5 inch</p> | <p>6.417</p> |
| <p>1. Isacord 40 2155 2. Isacord 40 0101 3. Isacord 40 3770 4. Isacord 40 0101 5. Isacord 40 0015 6. Isacord 40 3770 7. Isacord 40 6071 8. Isacord 40 0020</p> |  | <p>1. Isacord 40 0101 2. Isacord 40 0105 3. Isacord 40 0873 4. Isacord 40 0020 5. Isacord 40 2155</p> |  | | |
| <p>09_09_cm286_48</p> | <p>98 x 82 mm 3.9 x 3.2 inch</p> | <p>10.572</p> | <p>09_10_cm362_48_sized</p> | <p>115 x 108 mm 4.5 x 4.2 inch</p> | <p>6.361</p> |
| <p>1. Isacord 40 0003 2. Isacord 40 0015 3. Isacord 40 3770 4. Isacord 40 2171 5. Isacord 40 0020 6. Isacord 40 5830 7. Isacord 40 2155</p> |  | <p>1. Applique 1 2. Applique 3 3. Isacord 40 5650 4. Isacord 40 5822 5. Isacord 40 3666 6. Isacord 40 5830</p> |  | | |
| <p>09_11_cm384_48</p> | <p>78 x 81 mm 3.1 x 3.2 inch</p> | <p>9.551</p> | <p>09_12_cm465_48_sized</p> | <p>48 x 33 mm 1.9 x 1.3 inch</p> | <p>4.073</p> |
| <p>1. Isacord 40 3654 2. Isacord 40 2864 3. Isacord 40 0017 4. Isacord 40 3840 5. Isacord 40 5210 6. Isacord 40 3410 7. Isacord 40 0020</p> |  | <p>1. Isacord 40 1760 2. Isacord 40 0934 3. Isacord 40 0670 4. Isacord 40 3666 5. Isacord 40 1055</p> |  | | |
| <p>09_13_dec104</p> | <p>10 x 13 mm 0.4 x 0.5 inch</p> | <p>376</p> | <p>09_14_fq617_48</p> | <p>118 x 198 mm 4.6 x 7.8 inch</p> | <p>29.827</p> |
| <p>1. Isacord 40 1703 2. Isacord 40 3666</p> |  | <p>1. Isacord 40 3650 2. Isacord 40 0003 3. Isacord 40 0670 4. Isacord 40 0250 5. Isacord 40 0520 6. Isacord 40 0741 7. Isacord 40 1102 8. Isacord 40 1133 9. Isacord 40 3963 10. Isacord 40 3640 13. Isacord 40 3666 16. Isacord 40 0220 19. Isacord 40 2560</p> |  | | |
| <p>11. Isacord 40 3641 12. Isacord 40 4116 14. Isacord 40 2920 15. Isacord 40 2160 17. Isacord 40 0101 18. Isacord 40 2160 20. Isacord 40 6011 21. Isacord 40 5822</p> | | | | | |
| <p>09_15_fq624_48</p> | <p>64 x 144 mm 2.5 x 5.7 inch</p> | <p>4.447</p> | <p>09_16_fq945_48</p> | <p>94 x 95 mm 3.7 x 3.7 inch</p> | <p>9.413</p> |
| <p>1. Isacord 40 0010 2. Isacord 40 3640 3. Isacord 40 2560 4. Isacord 40 1120 5. Isacord 40 4410 6. Isacord 40 5830 7. Isacord 40 6051 8. Isacord 40 2530 9. Isacord 40 0520</p> |  | <p>1. Isacord 40 0150 2. Isacord 40 0861</p> |  | | |

APPENDIX

| | | | |
|---|---|---|---|
| 09_17_lj599 93 x 98 mm 3.7 x 3.9 inch 19.780 |  | 09_18_wm785 85 x 103 mm 3.3 x 4.1 inch 11.411 |  |
| 1. Isacord 40 0670 2. Isacord 40 1860 3. Isacord 40 1055 4. Isacord 40 3666 | | 1. Isacord 40 0020 | |
| 09_19_wp201_48 76 x 92 mm 3 x 3.6 inch 12.694 |  | 09_20_wp325_48 78 x 94 mm 3.1 x 3.7 inch 14.744 |  |
| 1. Isacord 40 2171 2. Isacord 40 6051 3. Isacord 40 0101 4. Isacord 40 1140 5. Isacord 40 3770 6. Isacord 40 0105 7. Isacord 40 3666 8. Isacord 40 0017 9. Isacord 40 3840 10. Isacord 40 3641 | | 1. Isacord 40 0101 2. Isacord 40 2171 3. Isacord 40 1172 4. Isacord 40 2655 5. Isacord 40 1140 6. Isacord 40 0870 7. Isacord 40 0741 8. Isacord 40 0934 9. Isacord 40 6071 10. Isacord 40 0853 11. Isacord 40 1233 12. Isacord 40 0105 13. Isacord 40 0152 14. Isacord 40 0020 | |
| 09_21_wp217_48 94 x 78 mm 3.7 x 3.1 inch 7.414 |  | 09_22_wp224_48 101 x 111 mm 4 x 4.4 inch 7.954 |  |
| 1. Isacord 40 0101 2. Isacord 40 3666 3. Isacord 40 0020 4. Isacord 40 1140 5. Isacord 40 0873 6. Isacord 40 0861 7. Isacord 40 0761 8. Isacord 40 0970 9. Isacord 40 6071 10. Isacord 40 6051 | | 1. Isacord 40 0101 2. Isacord 40 0145 3. Isacord 40 3241 4. Isacord 40 0970 5. Isacord 40 3852 6. Isacord 40 2655 7. Isacord 40 3666 8. Isacord 40 2864 9. Isacord 40 0731 10. Isacord 40 0640 | |
| 09_23_wp415_48 132 x 148 mm 5.2 x 5.8 inch 25.164 |  | 09_24_wp421_48 96 x 137 mm 3.8 x 5.4 inch 14.248 |  |
| 1. Isacord 40 0832 2. Isacord 40 1140 3. Isacord 40 1055 4. Isacord 40 0020 | | 1. Isacord 40 1760 2. Isacord 40 1233 3. Isacord 40 0941 | |
| 09_25_ws610_48_sized 120 x 105 mm 4.7 x 4.1 inch 4.502 |  | 09_26_hd267 65 x 51 mm 2.6 x 2 inch 6.884 |  |
| 1. Isacord 40 0853 | | 1. Isacord 40 0003 2. Isacord 40 3963 3. Isacord 40 0020 4. Isacord 40 0003 | |

09_27_wm784 106 x 114 mm 4.2 x 4.5 inch 6.996

- 1. ■ Isacord 40 0941



09_28_be790305 118 x 146 mm 4.7 x 5.7 inch 13.014

- 1. ■ Isacord 40 0003
- 2. ■ Applique 1
- 3. ■ Applique 3
- 4. ■ Isacord 40 2704
- 5. ■ Applique 1
- 6. ■ Applique 3
- 7. ■ Isacord 40 5912
- 8. ■ Applique 1
- 9. ■ Applique 3
- 10. ■ Isacord 40 1720
- 11. ■ Isacord 40 0020
- 12. ■ Isacord 40 0003



09_29_be790309_3 87 x 150 mm 3.4 x 5.9 inch 12.881

- 1. ■ Applique 1
- 2. ■ Applique 3
- 3. ■ Isacord 40 0003
- 4. ■ Isacord 40 1720
- 5. ■ Isacord 40 0020
- 6. ■ Isacord 40 4103
- 7. ■ Isacord 40 0184
- 8. ■ Isacord 40 0003
- 9. ■ Isacord 40 0230



09_30_be790311 114 x 152 mm 4.5 x 6 inch 12.297

- 1. ■ Applique 1
- 2. ■ Applique 3
- 3. ■ Isacord 40 1355
- 4. ■ Applique 1
- 5. ■ Applique 3
- 6. ■ Applique 1
- 7. ■ Applique 3
- 8. ■ Isacord 40 0763
- 9. ■ Applique 1
- 10. ■ Applique 3
- 11. ■ Isacord 40 1720
- 12. ■ Isacord 40 0184
- 13. ■ Isacord 40 0003
- 14. ■ Isacord 40 0020



09_31_be790312 122 x 133 mm 4.8 x 5.2 inch 22.311

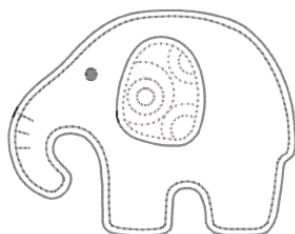
- 1. ■ Applique 1
- 2. ■ Applique 3
- 3. ■ Applique 1
- 4. ■ Applique 3
- 5. ■ Isacord 40 0003
- 6. ■ Isacord 40 1430
- 7. ■ Isacord 40 0108
- 8. ■ Isacord 40 1154
- 9. ■ Isacord 40 3510
- 10. ■ Isacord 40 6151
- 11. ■ Isacord 40 0020



CutWork

10_01_cm594_48 96 x 76 mm 3.8 x 3 inch 1.275

- 1. ■ Isacord 40 0020
- 2. ■ Isacord 40 1972
- 3. ■ Isacord 40 0020
- 4. ■ Isacord 40 2171
- 5. ■ Isacord 40 0111


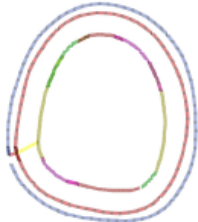





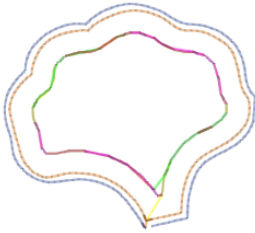
10_02_cm594_48_cwa01 91 x 110 mm 3.6 x 4.3 inch 1.187

- 1. ■ Isacord 40 3600
- 2. ■ Isacord 40 1902
- 3. ■ Cut 0001
- 4. ■ Cut 0002
- 5. ■ Cut 0003
- 6. ■ Cut 0004







APPENDIX


| | | | | | |
|--|---|-----|--|---|-------|
|  10_03_cm594_48_cwa02 | 43 x 50 mm 1.7 x 2 inch | 408 | 10_04_fs344_48 | 94 x 101 mm 3.7 x 4 inch | 7.228 |
| <ol style="list-style-type: none"> 1. Isacord 40 3600 2. Isacord 40 1902 3. Cut 0001 4. Cut 0002 5. Cut 0003 6. Cut 0004 |  | | <ol style="list-style-type: none"> 1. Isacord 40 1172 2. Isacord 40 6051 3. Isacord 40 0763 4. Isacord 40 4740 |  | |

| | | | | | |
|--|---|--------|--|---|-----|
| 10_05_fs345_48 | 93 x 105 mm 3.6 x 4.1 inch | 10.907 |  10_06_fs345_48_cwa | 81 x 72 mm 3.2 x 2.8 inch | 722 |
| <ol style="list-style-type: none"> 1. Isacord 40 1172 2. Isacord 40 6051 3. Isacord 40 0020 4. Isacord 40 4174 5. Isacord 40 0763 6. Isacord 40 4740 |  | | <ol style="list-style-type: none"> 1. Isacord 40 3600 2. Isacord 40 1200 3. Cut 0001 4. Cut 0002 5. Cut 0003 6. Cut 0004 |  | |

Campaign

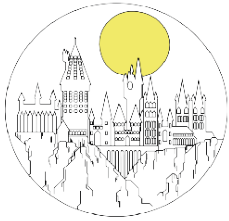
| | | | | | |
|--|---|--------|--|---|-------|
| 11_01_campaign_3_elements | 119 x 217 mm 4.7 x 8.5 inch | 15.675 | 11_02_campaign_1_element | 75 x 69 mm 3 x 2.7 inch | 5.711 |
| <ol style="list-style-type: none"> 1. Isacord 40 1352 2. Isacord 40 5010 3. Isacord 40 0310 4. Isacord 40 0504 5. Isacord 40 1521 6. Isacord 40 1701 7. Isacord 40 5220 8. Isacord 40 1352 9. Isacord 40 0504 |  | | <ol style="list-style-type: none"> 1. Isacord 40 5010 2. Isacord 40 5220 3. Isacord 40 1521 4. Isacord 40 0504 5. Isacord 40 1352 6. Isacord 40 1701 |  | |

| | | | | | |
|--|---|-------|--|---|-------|
| 11_03_fb060 | 76 x 73 mm 3 x 2.9 inch | 5.731 | 11_04_fb062 | 60 x 91 mm 2.4 x 3.6 inch | 5.425 |
| <ol style="list-style-type: none"> 1. Isacord 40 5335 2. Isacord 40 5210 3. Isacord 40 2101 4. Isacord 40 0311 5. Isacord 40 1704 6. Isacord 40 2101 |  | | <ol style="list-style-type: none"> 1. Isacord 40 2101 2. Isacord 40 5335 3. Isacord 40 2550 4. Isacord 40 2320 5. Isacord 40 1704 6. Isacord 40 3710 7. Isacord 40 3820 8. Isacord 40 5210 9. Isacord 40 0311 |  | |

| | | |
|--|---|-------|
| 11_05_fb069 | 53 x 87 mm 2.1 x 3.4 inch | 3.237 |
| <ol style="list-style-type: none"> 1. Isacord 40 5335 2. Isacord 40 3040 3. Isacord 40 2830 4. Isacord 40 1220 5. Isacord 40 5210 |  | |

Exclusive Harry Potter Embroidery Designs

WB10012-01



159x159 mm

WB10012-02



53x52 mm

WB10012-03



75x27 mm

WB10012-04



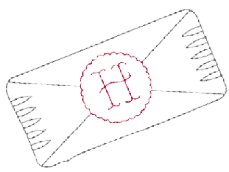
75x45 mm

WB10012-05



159x159 mm

WB10012-06



75x55 mm

WB10012-07



61x78 mm

WB10012-08



75x39 mm

WB10012-09



75x61 mm

WB10012-10



159x190 mm

Additional Harry Potter Embroidery Designs

WB10011-01



200.9 x 28.3 mm

WB10011-02



198.8 x 30.3 mm

WB10011-03



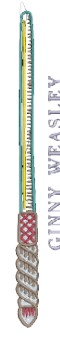
203.2 x 27.0 mm

WB10011-04



202.8 x 29.3 mm

WB10011-05



197.7 x 27.0 mm

APPENDIX

WB10011-06

Harry Potter

45.9 × 129.4 mm

WB10013-01



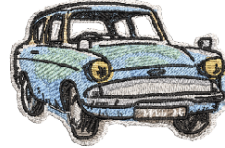
84.1 × 88.9 mm

WB10013-02



101.6 × 83.0 mm

WB10013-03



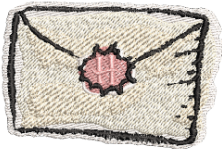
62.7 × 89.8 mm

WB10013-04



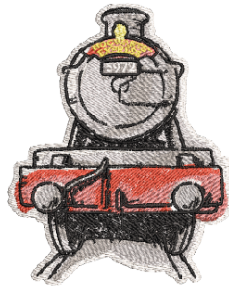
116.3 × 101.7 mm

WB10013-05



54.5 × 77.2 mm

WB10013-06



115.0 × 86.6 mm

WB10040-01



115.5 × 105.7 mm

WB10040-02



116.9 × 95.3 mm

WB10040-03



116.6 × 108.8 mm

WB10040-04



117.0 × 98.2 mm

WB10040-05



115.1 × 112.6 mm

WB10040-06



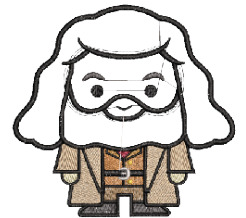
117.8 × 97.9 mm

WB10040-07



118.1 × 105.0 mm

WB10040-08



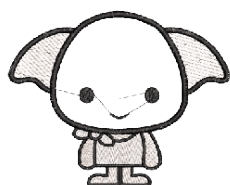
127.0 × 127.5 mm

WB10040-09



114.3 × 110.6 mm

WB10040-10



93.2 × 112.7 mm

WB10040-11



57.0 × 56.2 mm

WB10040-12



129.6 × 127.0 mm

WB10041-01



133.8 × 115.0 mm

WB10041-02



146.3 × 115.5 mm

WB10041-03



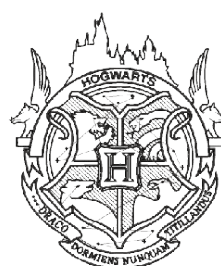
113.9 × 115.2 mm

WB10041-04



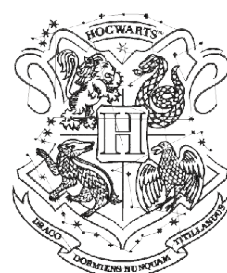
120.3 × 118.2 mm

WB10042-01



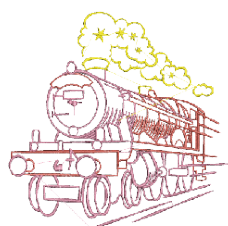
190.1 × 159.0 mm

WB10042-02



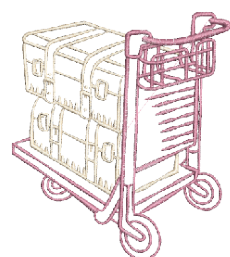
194.2 × 157.3 mm

WB10044-01



161.5 × 160.0 mm

WB10044-02



127.8 × 110.9 mm

WB10044-03



115.2 × 114.7 mm

WB10044-04



114.0 × 111.6 mm

WB10044-05



89.2 × 93.6 mm

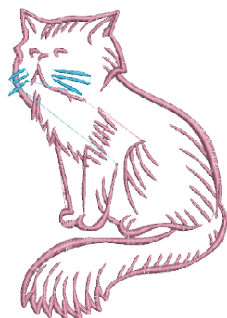
APPENDIX

WB10044-06



127.3 × 96.6 mm

WB10044-07



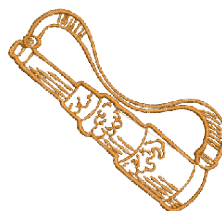
126.9 × 87.8 mm

WB10044-08



127.2 × 146.4 mm

WB10044-09



102.0 × 107.8 mm

WB10044-10



99.8 × 127.3 mm

WB10044-11



WB10044-12



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Harry Potter



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SWISS DESIGN