

creative elevate™ 680  
User's Guide

The background of the lower half of the page is a solid grey color. It features a repeating pattern of overlapping circles. Each circle is filled with a halftone dot pattern, where the density of the dots varies to create a gradient effect. The circles are arranged in a grid-like fashion, with some overlapping horizontally and vertically.

## IMPORTANT SAFETY INSTRUCTIONS

Read all instructions before using this sewing machine.

When using an electrical appliance, basic safety precautions should always be followed, including the following:

Keep the instructions at a suitable place close to the machine. Make sure to hand them over if the machine is given to a third party.

This appliance is intended for use by adults. The appliance can be used with adult supervision by (i) children aged from 8 to 12 years and (ii) persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given instruction concerning use of the appliance in a safe way and understand the hazards involved. Cleaning and user maintenance shall not be made by children without supervision. It is not allowed for anyone to play with the machine. Children up to 8 years are not allowed to use the machine.

### DANGER - TO REDUCE THE RISK OF ELECTRIC SHOCK:

- A sewing machine should never be left unattended when plugged in. The electrical socket, to which the machine is plugged in should be easily accessible. Always unplug this sewing machine from the electric outlet immediately after using and before cleaning, removing covers, lubricating or when making any other user servicing adjustments mentioned in the instruction manual.

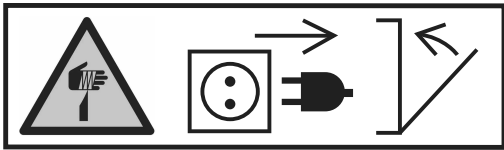
### WARNING –TO REDUCE THE RISK OF BURNS, FIRE, ELECTRIC SHOCK, OR INJURY TO PERSON:

- Do not allow to be used as a toy. Close attention is necessary when this sewing machine is used by or near children.
- Use this sewing machine only for its intended use as described in this manual. Use only attachments recommended by the manufacturer as contained in this manual.
- Never operate this sewing machine if it has a damaged cord or plug, if it is not working properly, if it has been dropped or damaged, or dropped into water. Return the sewing machine to the nearest authorized dealer or service center for examination, repair, electrical or mechanical adjustment.
- Never operate the sewing machine with any air openings blocked. Keep ventilation openings of the sewing machine and foot control free from the accumulation of lint, dust, and loose cloth.
- Keep fingers away from all moving parts. Special care is required around the sewing machine needle.
- Always use the proper needle plate. The wrong plate can cause the needle to break.
- Do not use bent needles.
- Do not pull or push fabric while stitching. It may deflect the needle causing it to break.
- Wear safety glasses.
- Switch the sewing machine off ("0") when making any adjustment in the needle area, such as threading needle, changing needle, threading bobbin, or changing presser foot, etc.
- Never drop or insert any object into any opening.
- Do not use outdoors.
- Do not operate where aerosol (spray) products are being used or where oxygen is being administrated.

- To disconnect, turn all controls to the off (“0”) position, then remove plug from outlet.
- Do not unplug by pulling on cord. To unplug, grasp the plug, not the cord.
- The foot control is used to operate the machine. Never place other objects on the foot control.
- Do not use the machine if it is wet.
- If the LED lamp is damaged or broken, it must be replaced by the manufacturer or its service agent or a similarly qualified person, in order to avoid a hazard.
- If the cord connected with the foot control is damaged, it must be replaced by the manufacturer or its service agent or a similarly qualified person, in order to avoid a hazard.
- Only use the external power supply (if applicable), the foot controller and cords supplied with your machine. No other can be used. If damaged or lost, make sure to replace with identical parts. Replacement should be carried out by the manufacturer, its service agent or a similarly qualified person, to ensure safety and avoid a hazard.

*For Overlock Machines only:*

- Never operate without a cutter cover or a securely installed coverstitch table.
- **CAUTION** – Your machine has moving parts, to reduce the risk of injury, switch off before doing service or maintenance. Close the cover before operating the machine.



SAVE THESE INSTRUCTIONS

# Federal Communication Commission Interference Statement

## For the USA and Canada

Responsible party: Singer Sourcing Limited LLC  
300 2nd Ave. S, Suite 300, Nashville, TN 37201, USA

Product name: PFAFF® creative elevate™ 680 sewing machine


This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

To satisfy radio frequency exposure requirements, a separation distance of 8" (20 cm) or more should be maintained between this device and persons during device operation. To ensure compliance, operations at closer than this distance is not recommended. The built-in antenna used for this transmitter must not be co-located in conjunction with any other antenna or transmitter.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the authorized PFAFF® retailer or an experienced radio/TV technician for help.

The included interface cable should be used in order to ensure compliance with the limits for a Class B digital device.

 *Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.*

# CE Declaration of Conformity

VSM Group AB Soldatorpsgatan 3, SE-554 74 Jonkoping, Sweden declare that the product:

Household Sewing Machine PFAFF® creative elevate™ 680 complies fully with following EU directives:

- 2014/53/EU RED Directive

and that the relevant harmonized standards are applied as listed:

- EN 60335-1:2012, A13:2017, A1:2019, A2:2019, A14:2019, A15:2021, A16:2024
- EN 60335-2-28:2003, A1:2008, A11:2018
- EN 62233:2008
- EN 62311:2020
- EN 50564:2011
- EN 50014-1:2021
- EN 55014-2:2021
- EN 61000-3-2:2019, A1:2021
- EN 61000-3-3:2019, A1:2019
- EN 63000:2018
- EN 301 489-17 V3.24-2020
- EN 301 489-v2.1.1-2017
- EN 300 328 v2.2.2-2019
- EN 18031-1:2024
- EN 18031-2:2024

Jönköping, June 1, 2025

Carsten Raunsgaard

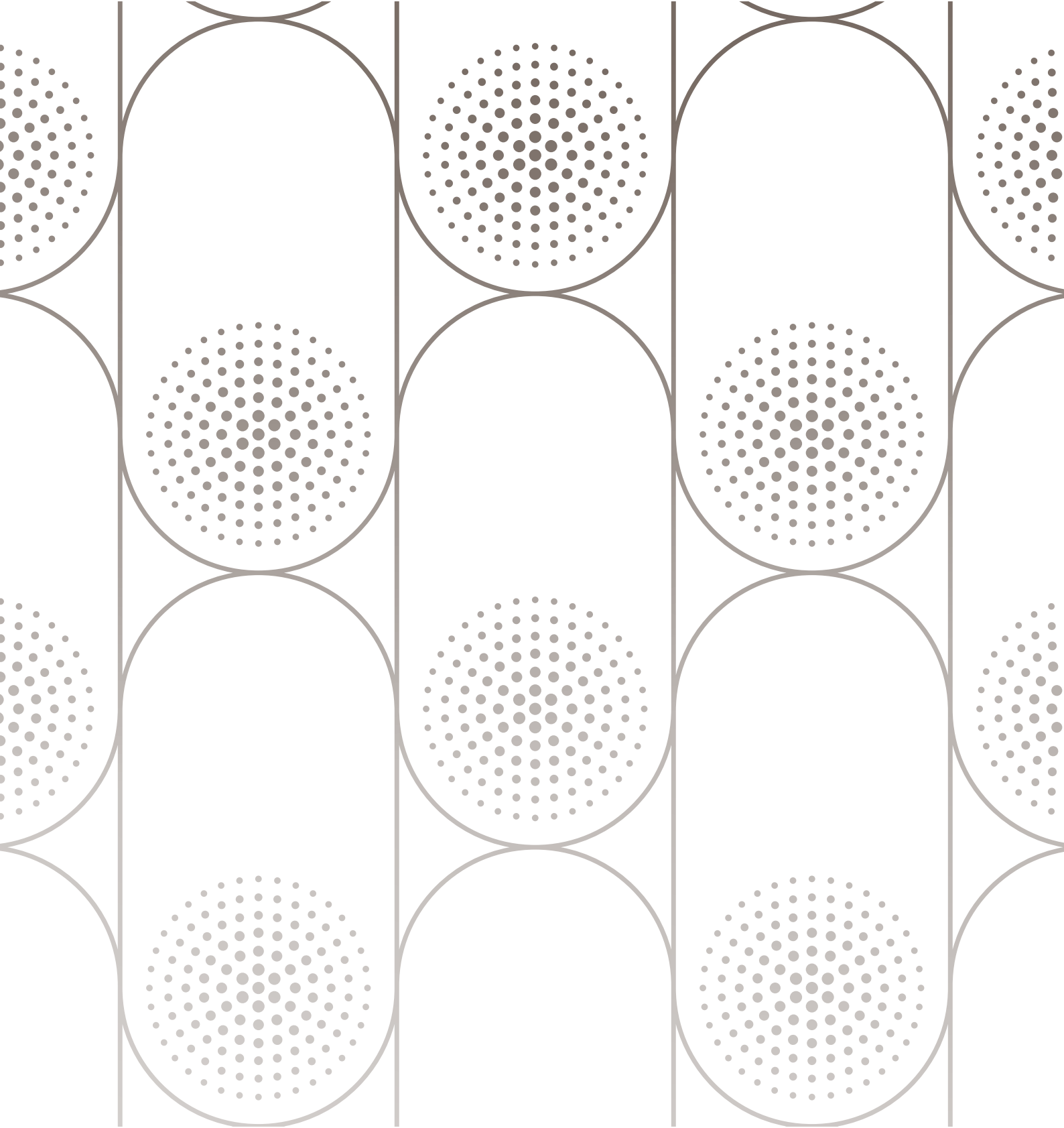
Sr. Manager Regulatory Compliance

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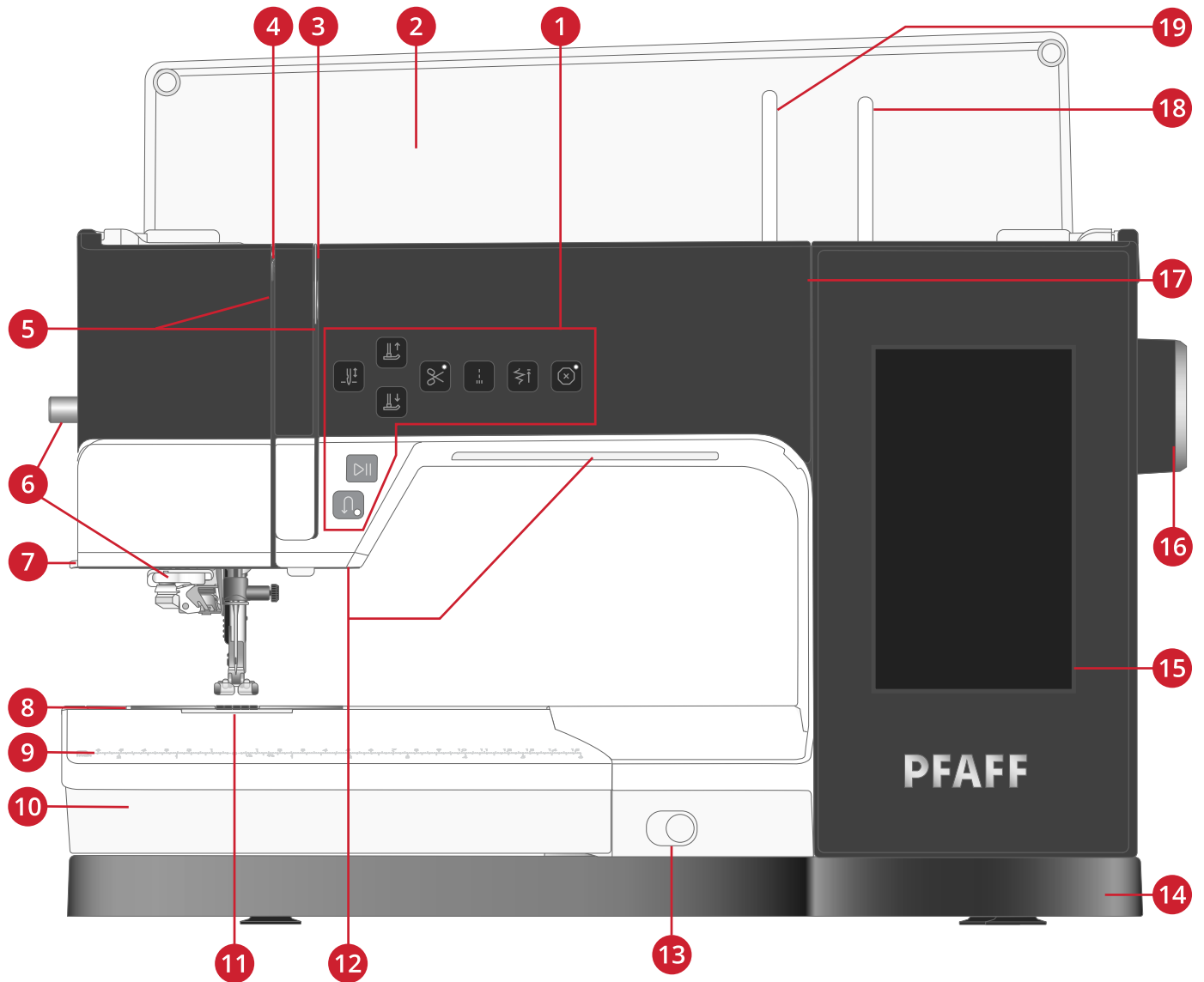
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# Introduction

# Machine Overview

Front



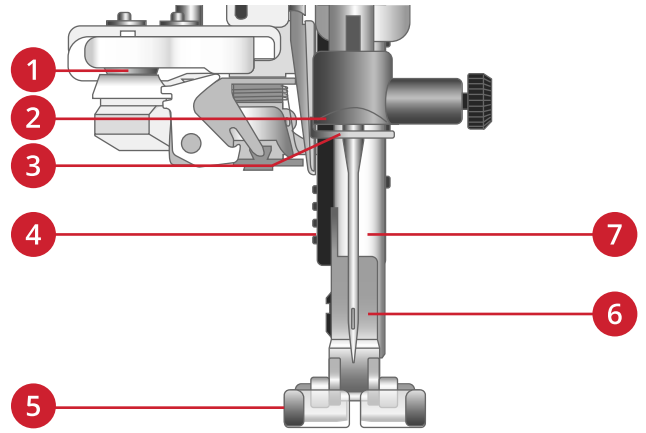
1. Function buttons, see [page 6](#) for detailed description
2. Lid and stitch overview
3. Thread tension discs
4. Thread take-up lever
5. Threading slots
6. Automatic needle threader
7. Thread cutter

8. Needle plate
9. Ruler
10. Accessory box
11. Bobbin cover
12. LED lights
13. Feed teeth control
14. Base plate

15. Multi-touch screen
16. Hand wheel
17. Bobbin winding thread guides
18. Auxiliary spool pin
19. Main spool pin

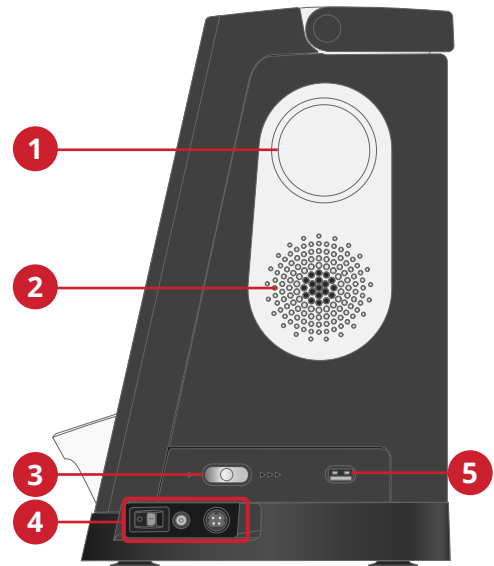
## Needle Area

1. Automatic needle threader
2. Needle bar with needle clamp screw
3. Needle thread guide
4. IDT™ System
5. Presser foot
6. Presser foot ankle
7. Presser foot bar



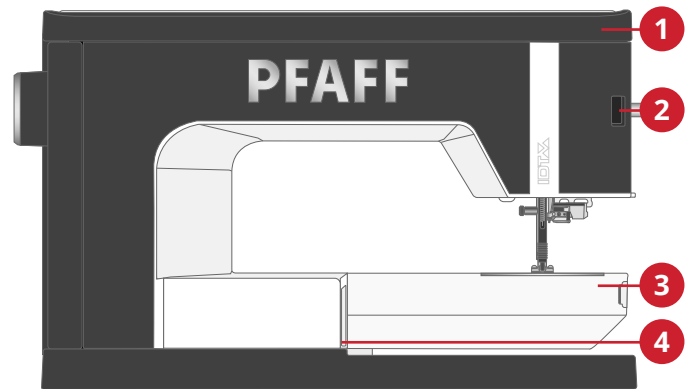
## Right Side

1. Handwheel
2. Speaker
3. Speed control slider
4. ON/OFF switch, sockets for power cord and foot control. See [Connect the Power Cord and Foot Control](#), page 16.
5. Built-in USB port

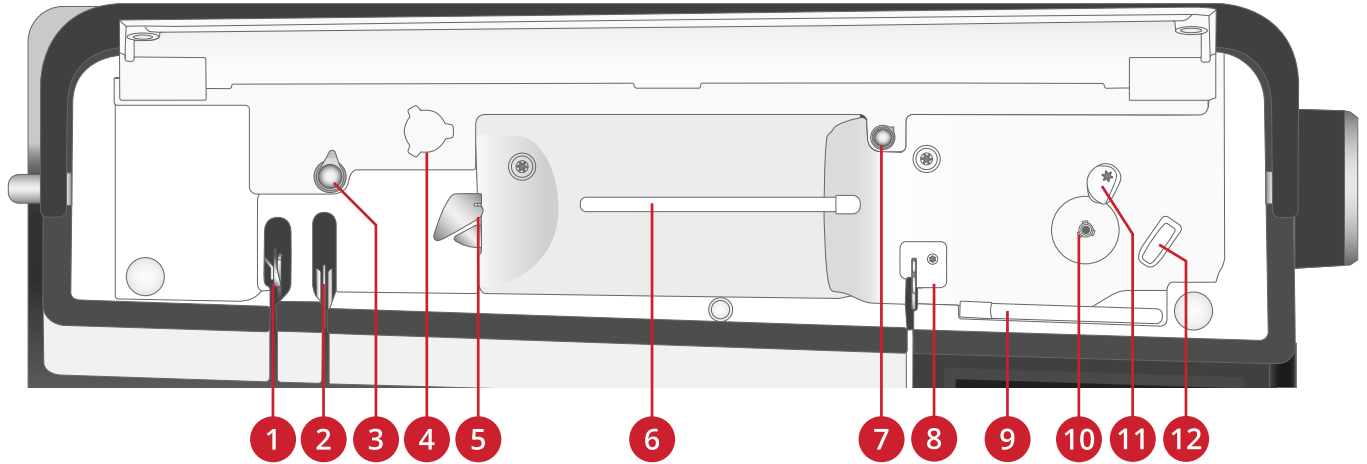


## Rear

1. Handle
2. Accessory socket
3. Free arm
4. Embroidery unit sockets



Top



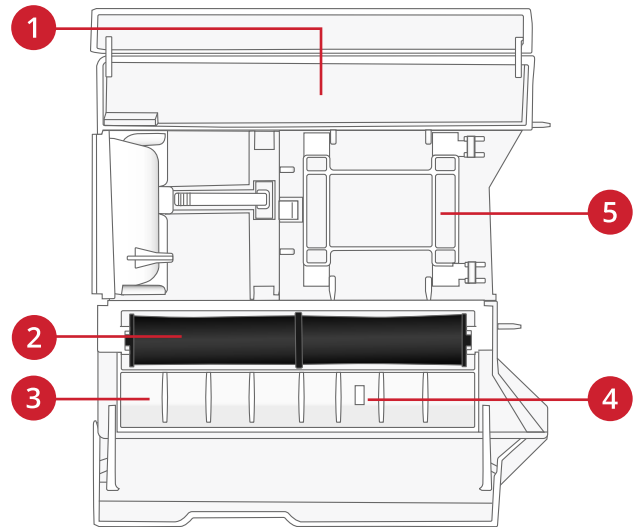
- 1. Thread take-up lever
- 2. Thread tension discs
- 3. Pre-tension disc
- 4. Hole for bobbin spool pin
- 5. Thread guide
- 6. Main spool pin

- 7. Bobbin winding tension disc
- 8. Thread guide
- 9. Auxiliary spool pin
- 10. Bobbin winder
- 11. Bobbin winder lever
- 12. Thread cutter

### Accessory Tray

The accessory tray features special compartments for presser feet and bobbins, plus space for needles and other accessories. Store the accessories in the tray so they are easily accessible.

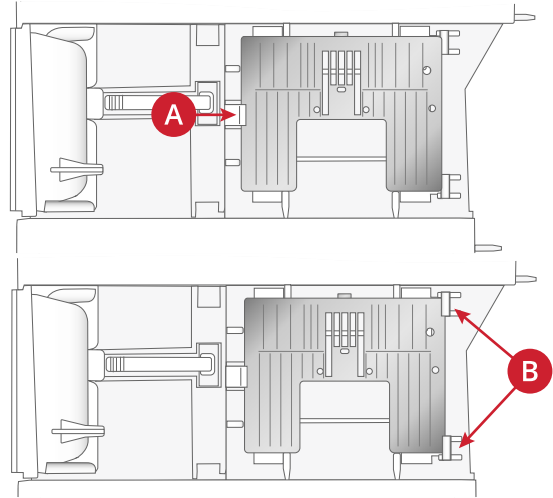
- 1. Space for accessories
- 2. Spaces for bobbins
- 3. Spaces for presser feet
- 4. Space with hole for 5M Manual Buttonhole Foot
- 5. Space for needle plate



## Storing a Needle Plate

Store a needle plate not in use in the bottom of your accessory tray.

- Insert the right side of the plate into spring on the right side (A), push it slightly. Lay it down so that the needle plate snaps into place (B).
- To remove the plate, push the needle plate to the left and then upwards.



## Enabling Embroidery Functionalities

You can purchase the optional embroidery unit for your creative elevate™ 680 machine. This will enable all embroidery functionalities mentioned in this manual.

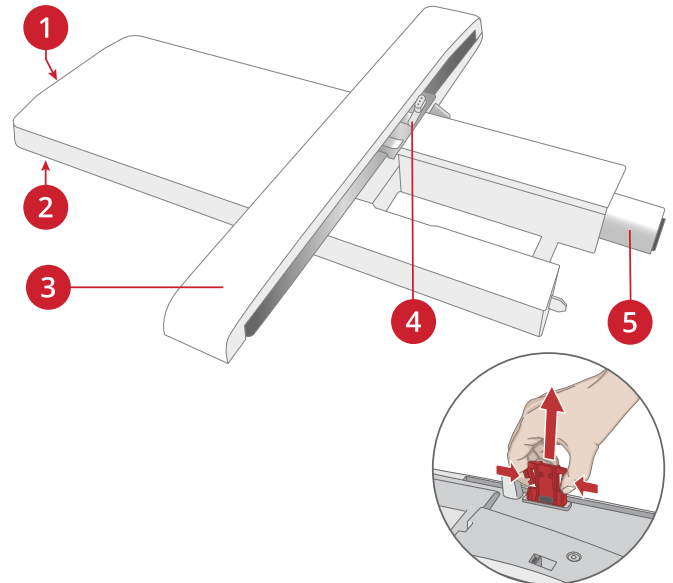
*Note: The embroidery functionalities will still be visible on screen without the embroidery unit.*

## Embroidery Unit

1. Embroidery unit release button (underside)
2. Level adjustment feet
3. Embroidery arm
4. Embroidery hoop attachment
5. Embroidery unit plug

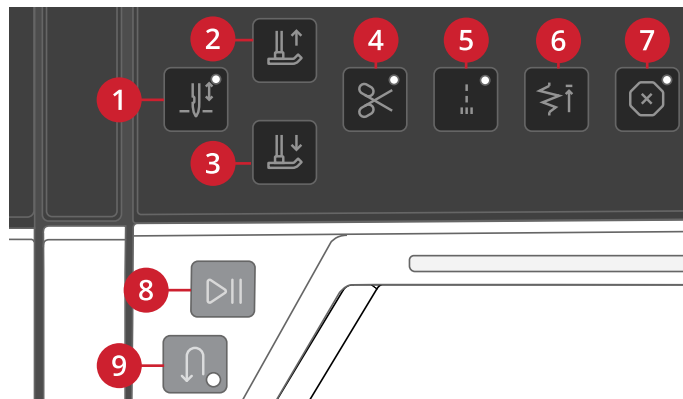


*When removing the embroidery unit from the box for the first time, be sure to remove the shipping brace at the underside of the embroidery unit.*



## Function Buttons

1. Needle stop up/down
2. Presser foot up and extra lift
3. Presser foot down and pivot
4. Cut function
5. Immediate tie-off
6. Stitch restart
7. Stop
8. Start/stop
9. Reverse



### Needle Stop Up/Down

Touch needle stop up/down to set the position of the needle when you stop sewing. The needle will move up or down when you touch the button. The indicator light intensifies when needle stop down is set.

*Tip: You can also tap the foot control to raise or lower the needle once you stop sewing. Tapping the foot control does not change the set stop position.*

### Presser Foot Up and Extra Lift

Touch the presser foot up button once to raise the presser foot. Touch again and the presser foot will raise to extra lift position. Lower the feed teeth manually to make it easier to get heavy fabric under the presser foot.

In embroidery mode, the extra lift makes it easier to insert or remove the hoop.

### Presser Foot Down and Pivot

The presser foot is lowered automatically when you start sewing. To lower the presser foot before starting to sew, touch the presser foot down and pivot button. The presser foot will be completely lowered and the machine firmly holds the fabric. Touch presser foot down again to go to pivot position.

In embroidery mode touch presser foot down to lower the presser foot to embroidery position.

### Cut Function

Touch the cut function button and your machine cuts the upper and bobbin threads and raises the presser foot and needle.

To cut threads at the end of a stitch or stitch sequence, touch the cut function button while sewing. The indicator light will illuminate, alerting you that a cut is requested. When the stitch or stitch sequence is completed, your machine cuts the upper and bobbin threads and raises the presser foot and needle.

*Note: If automatic presser foot lift has been deselected in sewing settings the presser foot will not be raised when using the cut function.*

Touch the cut function button when embroidering and your machine cuts the upper and bobbin threads instantly.

*Note: Some optional accessories are attached in the two small circular holes in the needle plate just above the bobbin cover. Do not use the cut function when an accessory is attached in these holes as that may interfere with the automatic thread cutter located under the needle plate*

### Immediate Tie-Off

Press immediate tie-off while sewing and your machine sews a few tie-off stitches and stops automatically. By touching the tie-off button once more while the action indicator is lit, the function can be turned off.

## Stitch Re-Start

When you stop sewing in the middle of a stitch, touch stitch re-start to begin sewing at the beginning of the stitch. The stitch or stitch sequence will remember any special settings you made.

You can also use stitch re-start to go back to the beginning of an embroidery.

## Stop

Touch STOP when sewing to conclude a stitch or stitch program. Your machine fixes the thread and stops automatically when the stitch or stitch program has been completed. Touch STOP before starting to sew and your machine sews only one repetition of the stitch. Only one stitch is displayed on the screen. The indicator next to the STOP button is lit when the STOP function is active. To cancel the function, touch STOP again or select a new stitch. The STOP function is cancelled when the stitch is completed.

## Start/Stop

Touch the start/stop button to start and stop the machine without using the foot control. Touch start/stop to begin and touch again to stop.

## Reverse

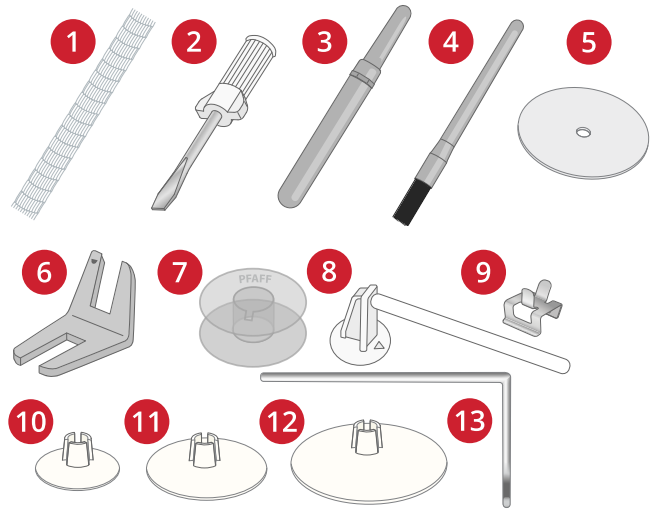
When reverse is active, the reverse indicator illuminates. For permanent reverse, touch the reverse button once before starting to sew. The reverse indicator will illuminate and the machine sews in reverse until you touch the button again to cancel. If you press the reverse button while sewing, the machine will sew in reverse for as long as you keep the button pressed.

Reverse is also used when sewing manual buttonholes, darning stitches and tapering stitches to step between the parts of the stitch.

# Accessories

## Included Accessories

1. Thread net
2. Screwdriver
3. Seam ripper
4. Brush
5. Felt Pad
6. Multipurpose tool/Button reed
7. Bobbins (10)
8. Bobbin spool pin
9. Hoop clips (16)
10. Spool cap, small
11. Spool cap, medium
12. Spool cap, large (2)
13. Edge/Quilting guide (used attached to presser foot ankle)

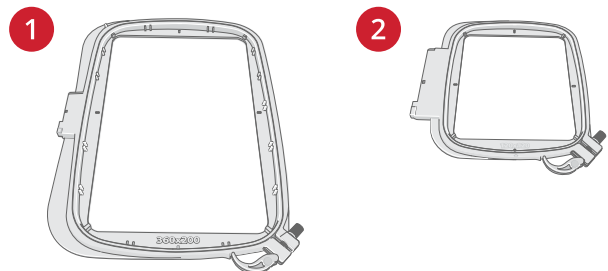


## Included Accessories Not in Picture

- Cover for machine
- Foot control
- Power cord
- Needles

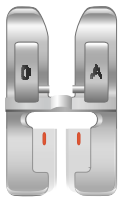
## Included Hoops

1. **creative™** Deluxe Hoop (360x200mm)
2. **creative™** 120 Square Hoop (120x120mm)



# Presser Feet

*Note: For the best sewing results, use only presser feet designed for and compatible with your creative elevate™ 680 machine.*



**0A - Standard Presser Foot for IDT™ System**  
(attached on the machine upon delivery)

This foot is used mainly for straight stitching and zigzag stitching with a stitch length longer than 1.0 mm.



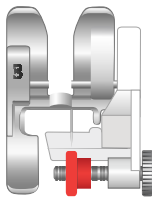
**1A - Fancy Stitch Foot for IDT™ System**

This foot is used for decorative stitches. The groove on the underside of the foot is designed to flow smoothly over the stitches.



**2A - Fancy Stitch Foot**

When sewing decorative stitches or short zigzag stitches and other utility stitches with less than 1.0mm stitch length, use this foot. The groove on the underside of the foot is designed to flow smoothly over the stitches.



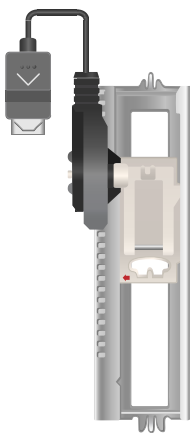
**3 – Blindhem Foot for IDT™ System**

This foot is used for blindhem stitches. The toe on the foot guides the fabric. The red guide on the foot is designed to ride along the fold of the hem edge.



**4 – Zipper Foot for IDT™ System**

This foot can be snapped on either the right or the left of the needle, making it easy to sew close to both sides of the zipper teeth. Move needle position to right or left to sew closer to zipper teeth.



**5A – Sensormatic Buttonhole Foot**

When connected to the machine, the buttonhole is sewn in the length that has been entered into the machine.



**5M - Manual Buttonhole Foot**

This foot is used for sewing manual buttonholes. Use the markings on the foot to position the garment edge. The finger on the back of the foot holds cording for corded buttonhole.



### 6A – Embroidery/Sensormatic Free-Motion Foot

This foot is used for embroidery and Free-Motion sewing. This foot can also be used for darning.
















































### 1/4" Quilting Foot for IDT™ System




This foot is perfect for piecing, especially when used in conjunction with a straight stitch needle plate. The distance from the needle to the outer edge of the right toe is 1/4" (6mm). The distance from the needle to the inner edge of the right toe is 1/8" (3mm).

# Stitch Overview

## Utility Stitches

Stitch	Nº	Name	Description
	1.1	Straight stitch	For seaming and topstitching.
	1.2	Stretch triple straight stitch	For reinforced seams and for top stitching.
	1.3	Stretch tricot stitch	For sewing seams on stretch fabrics.
	1.4	Basting stitch	Single stitch used for basting. You determine the length of stitch manually.
	1.5	Zigzag stitch	For reinforcing seams, clean finish and stretch sewing.
	1.6	Stretch triple zigzag stitch	Elastic stitch for decorative hems or topstitching.
	1.7	Three-step zigzag stitch	For stretch sewing, darning, patching, edge finishing and decorative sewing.
	1.8	Elastic stitch	For stretch sewing, darning, patching and lace insertion.
	1.9	Triple stretch stitch	For stretch sewing, darning, patching, edge finishing and decorative sewing.
	1.10	Z-zigzag stitch	For sewing appliqué.
	1.11	Honeycomb stitch	Decorative stitch for stretch fabrics and hems. Also used with elastic thread in the bobbin.
	1.12	Bridging stitch	Joining fabrics and quilt batting, decorative stitch for quilting, hemstitching.
	1.13	Foundation elastic stitch	Joining stitch for undergarments, terry cloth, leather, bulky fabrics where overlapping the seams.
	1.14	Crosshem stitch	Elastic decorative hem for stretch fabrics. Also suitable for joining fabrics and quilt batting.
	1.15	Blind hem stitch	For sewing blind hems on woven fabrics.
	1.16	Elastic blind hem stitch	For sewing blind hems on stretch fabrics.
	2.1	Closed overlock	For sewing seams and overcasting stretch fabrics in one step.
	2.2	Closed overlock	For sewing seams and overcasting stretch fabrics in one step.
	2.3	Elastic overcast	For sewing seams and overcasting stretch fabrics in one step.
	2.4	Standard overcast	For sewing seams and overcasting stretch fabrics in one step with reinforced edge.
	2.5	Overlock	For sewing seams and overcasting stretch fabrics in one step.
	2.6	Light knit fabric patching	For patching and sewing hems in stretch fabrics.

Stitch	Nº	Name	Description
	2.7	Closed overlock	For patching, sewing hems, sewing seams and overcasting.
	2.8	Compensed closed overlock	For patching, sewing hems, sewing seams and overcasting in stretch fabrics.
	2.9	Stretch knit overlock	For sewing seams and overcasting stretch fabrics in one step.
	2.10	Overlock	For sewing seams and overcasting stretch fabrics in one step.
	2.11	Mock cover hem	Create the look of a serger cover hem for stretch fabrics.
	2.12	Mock cover hem	Create the look of a serger cover hem for stretch fabrics.
	2.13	Open overlock blind hem	Create decorative overlock blind hem for woven fabrics.
	2.14	Closed overlock blind hem	Create decorative overlock blind hem for stretch fabrics.
	3.1	Standard buttonhole	Basic buttonhole for blouses, shirts and jackets. Also for pillowcases.
	3.2	Rounded buttonhole with crosswise tack	Buttonhole for garments.
	3.3	Eyelet buttonhole with pointed tack	Tailors buttonhole or decorative buttonhole.
	3.4	Rounded buttonhole	Buttonhole for light garments or jackets.
	3.5	Stretch buttonhole	Buttonhole for stretch fabrics.
	3.6	Decorative eyelet buttonhole	Decorative buttonhole for jackets.
	3.7	Heirloom eyelet buttonhole	Decorative heirloom buttonhole.
	3.8	Heirloom round buttonhole with pointed tack	Decorative heirloom buttonhole.
	3.9	Button sewing	For sewing on buttons or tacking.
	3.10	Bound buttonhole	Foundation stitch for bound buttonhole.
	4.1	Eyelet	For belts, laces, heirloom sewing, etc.
	4.2	Decorative Eyelet	For belts, laces, heirloom sewing, etc.
	4.3	Programmable darning stitch	To darn or mend small holes, begin stitching over hole, touch reverse for continuous darning and stop.
	4.4	Programmable reinforced darning stitch	Darn and mend work clothes, jeans, table cloths and linen towels. Stitch over hole, touch reverse for continuous darning and auto stop.
	4.5	Bartack	Reinforce pockets, shirt openings, belt loops as well as at lower end of a zipper.

Stitch	Nº	Name	Description
	4.6	Denim bartack	Reinforce pockets, shirt openings, belt loops as well as at lower end of a zipper.
	4.7	Decorative bartack	Reinforce pockets, shirt openings, belt loops as well as at lower end of a zipper.
	4.8	Cross bartack	Reinforce pockets, shirt openings and belt loops.

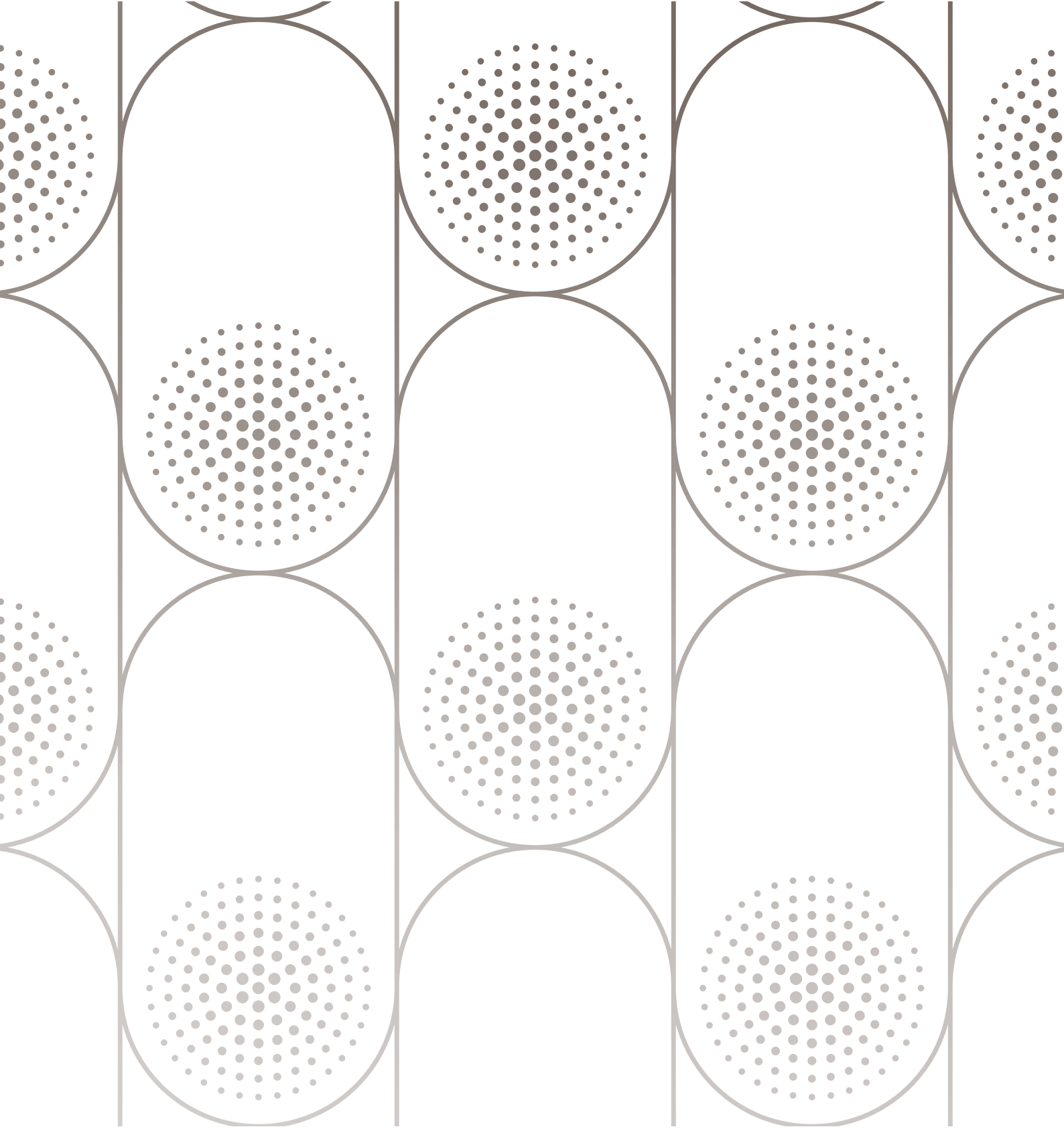
## Stitch Menu Overview

There are several different stitch menus with stitches for all purposes. For detailed description of a stitch, use the quick help function, see [page 40](#).

Stitch Menu Name	Content of Menu
1 – Utility Stitches See also <a href="#">stitch table</a> for detailed descriptions.	Essential stitches Overcast stitches Buttonholes Eyelets and darning stitches
2 – Quilt Stitches	Crazy patch stitches Stippling stitches Handlook quilt stitches
3 – Needle Art Stitches	Cross stitches Needlework stitches Antique hand embroidery stitches
4 – Satin Stitches	Scallop edges Satin elements Borders
5 – Decorative Stitches 1	Leaves and flowers Bows and hearts
6 – Decorative Stitches 2	Art stitches Ornamental stitches
7 – Miscellaneous Stitches	Animal stitches Fun stitches
8 – Stitch Techniques	Single ribbon stitches Triple ribbon stitches Stacking stitches Floating stitches Radiant stitches Lace edge stitches
9 – Additional Stitches	Optional feet stitches

## Alphabets

Stitch fonts are available in outline, comic, script and Cyrillic alphabets.



Preparations

## Unpacking Machine and Embroidery Unit

After lifting the machine out of the box and removing all packing material and the plastic bag, wipe the machine, particularly around the needle and needle plate to remove any oil before sewing.

When unpacking the embroidery unit, do not throw away the styrofoam inside the embroidery unit carrying bag, as this is designed for storing the embroidery unit when not in use.

*Note: The embroidery unit is delivered with a red shipping brace. Remove it before sewing.*

*Note: Your creative elevate™ 680 machine is adjusted to provide the best stitch result at normal room temperature. Extreme hot and cold temperatures can affect the sewn results.*

## Connect the Power Cord and Foot Control

Among the accessories you will find the power cord and the foot control.

The power supply unit used for your machine differs between countries. Below both versions are described.

Use the description suitable for the power supply unit delivered with your machine.

*Note: Before plugging in the foot control, check to ensure that it is type "FR5" (see underside of foot control).*

*Note: Only use the power cord supplied with your machine. No other cord can be used. If the cord is damaged or lost, make sure to replace it with the same type of cord, available at an authorized PFAFF® dealer.*

### Power Supply Type #1

The power cord has a power supply unit (PSU) (A). The fixed cord (B) attached to the PSU unit, should be connected to the sewing machine. The loose cord (C) should be connected to the socket (D) in the PSU unit and then to the wall socket.

Connect the cord (B) to the rear socket (1) on the bottom right side of the machine. Plug the power cord into the wall socket.

### Power Supply Type #2

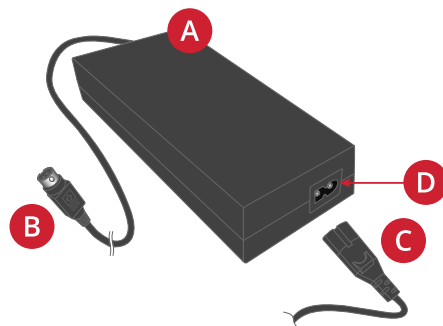
Before using the machine for the first time an AC-plug must be mounted to the power supply unit in order to plug it into an electrical outlet. Slide on the correct AC-plug until it clicks in place. Make sure the plug is firmly attached.

Connect the cord (B) to the rear socket (1) on the bottom right side of the machine. Plug the power cord into the wall socket.

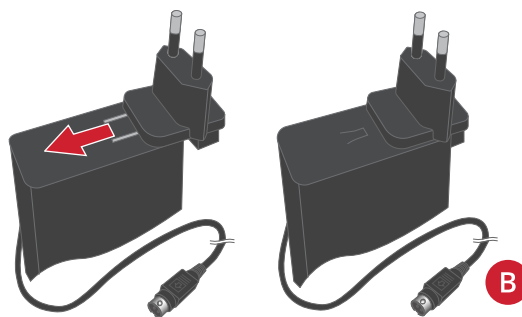
### Foot Control and Power

Connecting the foot control cord to the foot control is only necessary the very first time you are going to use the machine.

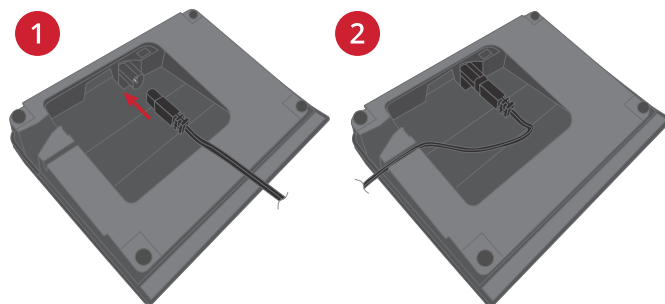
1. Turn the foot control over. Connect the cord to the socket inside the space of the foot control. Push firmly to make sure it is properly connected.
2. Lay the cord in the slot on the underside of the foot control.



Power Supply Type #1

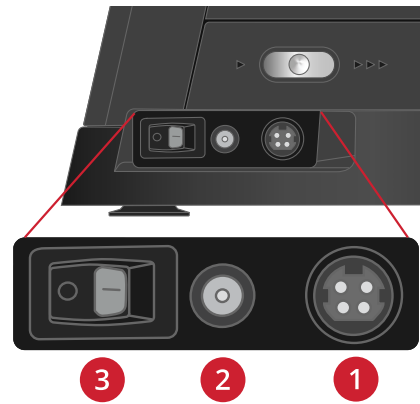


Power Supply Type #2



Connect the foot control cord to the socket (2) on the bottom right side of the machine.

Press the ON/OFF switch (3) to "I" to turn on power and light.



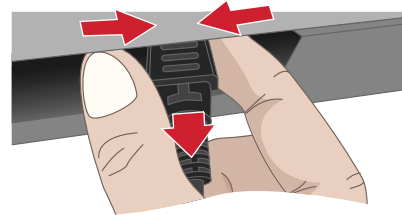
## Pack Away After Sewing

1. Press the ON/OFF switch to "O".
2. Unplug the cord from the wall socket and then from the machine.

**WARNING: If your machine uses power supply type #2, do not pull the cord to remove it, it might damage the cord. Unplug according instructions below.**

Pinch the connector body (the part that can be moved back and forth) as illustrated and pull it outward. While holding it in this position, remove the power cord connector from the socket.

3. Unplug the foot control cord from the machine. Pull the cord gently and release. The cord will retract into the foot control.
4. Place all accessories in the accessory tray. Slide the tray on to the machine around the free arm.
5. Place the foot control in the space above the free arm.
6. Put on the soft cover.



## USB Ports

Your machine has a USB port for connecting USB devices such as a memory stick. USB plugs can only be inserted one way – do not force them into the ports! To remove, carefully pull the USB device out straight.

*Note: Make sure that the USB stick you use has the format FAT32.*



## Using a USB device

The external device button in file manager is only active when a device is connected to a machine USB port.

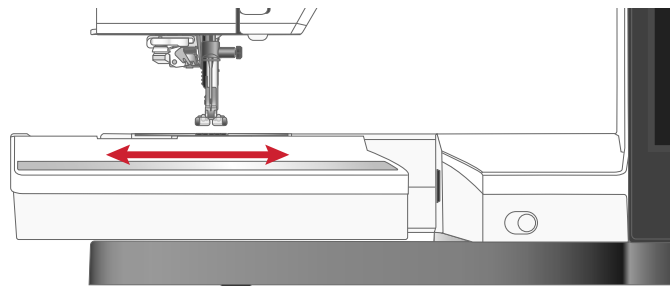
*Note: Do not remove the USB device if a loading spinner is shown on the screen or while the file manager is shown. Removing the device at that time can damage the files on your USB device.*

## LED Lights

Your machine has LED lights which distribute the light evenly over the sewing area and eliminate shadows. You can adjust the brightness of the light in the settings menu.

## Free Arm

To use the free arm, slide off the accessory tray. When attached, a hook keeps the accessory tray locked to the machine. Remove the tray by sliding it to the left.



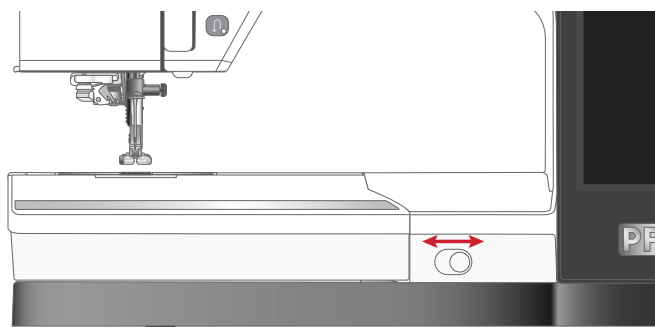
## Lower the Feed Teeth

The feed teeth are lowered when you move the switch on the front of the free arm to the right.

Move the switch to the left if you wish to raise the feed teeth. The feed teeth will raise as you begin to sew.

The feed teeth should be lowered when sewing on buttons and for free motion sewing.

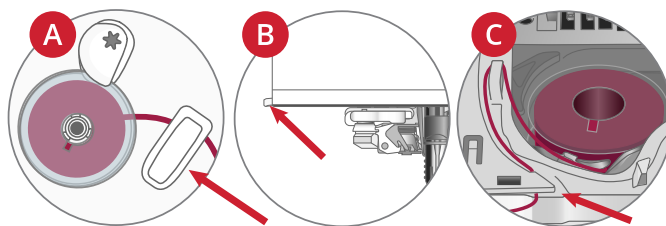
The feed teeth should also be lowered when embroidering. They are lowered automatically when the embroidery unit is attached.



## Manual Thread Cutter

There are three manual thread cutters on your machine.

- The first one (A) is close to the bobbin winder spindle for cutting the thread before and after winding.
- The second one (B) is on the left side of the machine for manually cutting top and bobbin thread. Bring both threads into the cutter from the back to the front and pull towards you to cut the threads.
- The third one (C) is next to the bobbin area for cutting the bobbin thread after placing the bobbin in the machine.



## Thread Sensor

If the needle thread breaks or bobbin thread is running low, the machine stops and a pop-up appears on the screen.

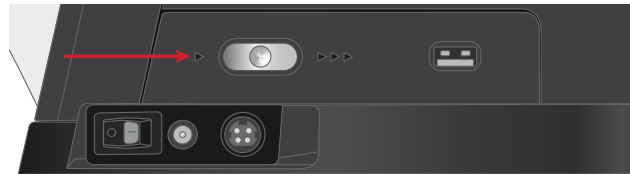
If needle thread breaks: Remove the thread completely, re-thread the machine and touch OK in the pop-up.

If bobbin thread is running low: You can continue sewing without closing the pop-up before the bobbin thread runs out completely. This gives you an opportunity to plan where to stop and change the bobbin. When the bobbin is replaced with a full one, touch OK in the pop-up.

## Speed Control Slider

The speed control slider sets the sewing speed. To increase sewing speed, slide the slider backwards, to decrease sewing speed, slide the slider towards you.

A pop-up appears on screen when adjusting the slider, indicating which speed level is set. The speed setting is also shown in the information area.



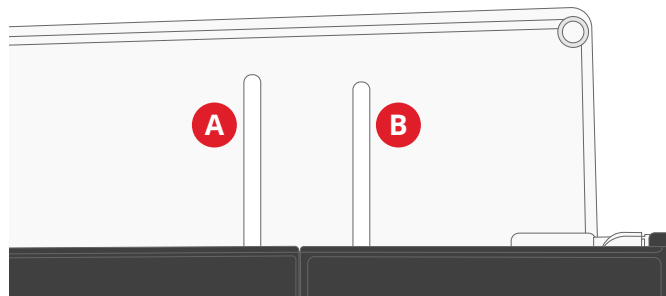
## Spool Pins

Your machine has three spool pins; a main spool pin, an auxiliary spool pin and a bobbin spool pin. The spool pins are designed for all types of thread. The main spool pin is adjustable and can be used in a horizontal position (the thread reels off the stationary spool) or in a vertical position (the thread spool rotates). Use the horizontal position for all regular sewing threads and the vertical position for large spools or specialty threads.

Use the main spool pin (A) when threading the upper thread and for bobbin winding through the needle.

Use the auxiliary spool pin (B) for a second spool when sewing with a twin needle.

The bobbin spool pin is recommended to use when winding the bobbin.



Main spool pin (A) and auxiliary spool pin (B)

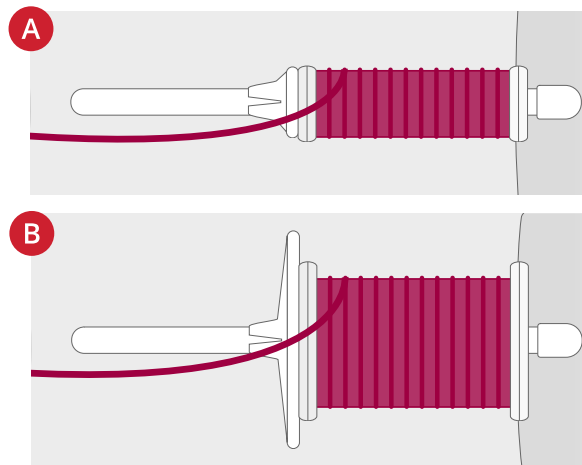
## Horizontal Position

Lift the spool pin up slightly from its horizontal position to easily place the thread spool on the pin. The thread should reel over the top, in a counterclockwise direction, as shown in the picture. Slide on a spool cap and then move the spool pin back to the horizontal position.

Use a spool cap slightly larger than the thread spool. For narrow thread spools, use a smaller spool cap in front of the spool (A). For large thread spools, use a larger spool cap in front of the spool (B).

The flat side of the spool cap should be pressed firmly against the spool. There should be no space between spool cap and thread spool.

*Note: Not all thread spools are manufactured in the same way. If you experience problems with the thread, turn it in the opposite way or use the vertical position.*

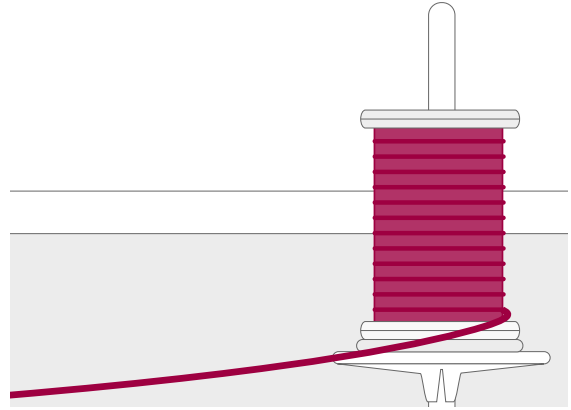


## Vertical Position

Lift the spool pin up and all the way to the right. Slide on the large spool cap. For spools smaller than the medium size spool cap or when using specialty threads, place a felt pad under the thread spool to prevent the thread from reeling off too fast. For larger spools, the felt pad is not needed.

*Note: No spool cap should be placed on top of the spool as this prevents the spool from rotating.*

*Note: When the spool pin is used in the vertical position, the thread tension might need to be adjusted manually.*



## Auxiliary Spool Pin

The auxiliary spool pin is used for a second spool when sewing with a twin needle.

Lift the auxiliary spool pin up and to the left. Slide on a spool cap. For spools smaller than the medium size spool cap, place a felt pad under the thread spool to prevent the thread from reeling off too fast. For larger spools, the felt pad should not be used.

## Bobbin Spool Pin

The bobbin spool pin is used when winding the bobbin.

### Mount the Bobbin Spool Pin

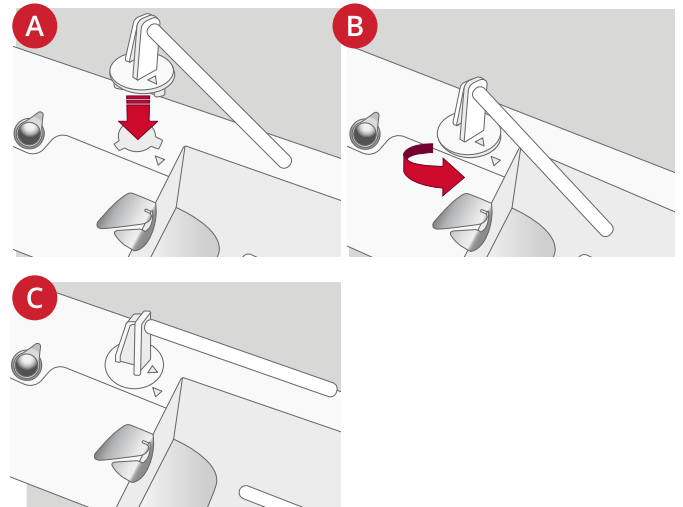
Place the bobbin spool pin on top of the spool pin socket (A), aligning the arrow on the spool pin with the arrow on the socket.

Push the bobbin spool pin down and turn to the right (B) until it clicks in place (C).

### Remove the Bobbin Spool Pin

Turn the bobbin spool pin towards you until the arrows align.

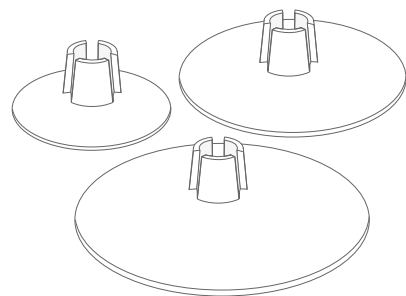
Pull the spool pin upwards to remove it.



## Spool Caps

Spool caps in three sizes are included with your machine. Always use a spool cap slightly larger than the thread spool to prevent the thread from snagging. The flat side of the spool cap should be pressed firmly against the spool. There should be no space between the spool cap and the thread spool.

When using the vertical spool pin position, no spool cap is needed except when the thread on the spool is running low. If the thread is snagging on the top of the thread spool, place a spool cap on top, but do not press the spool cap all the way down.



# Threads

There are many threads on the market today developed for different purposes.

Your creative elevate™ 680 machine is designed for all types of threads and spool sizes. See for information on achieving optimal results with different types of thread and different sizes/styles of thread spools.

## All Purpose Sewing Thread

All purpose sewing thread is made of synthetic, cotton or cotton covered polyester. This type of thread is used for most sewing projects, including garments, home decor, and quilting.

## Embroidery Thread

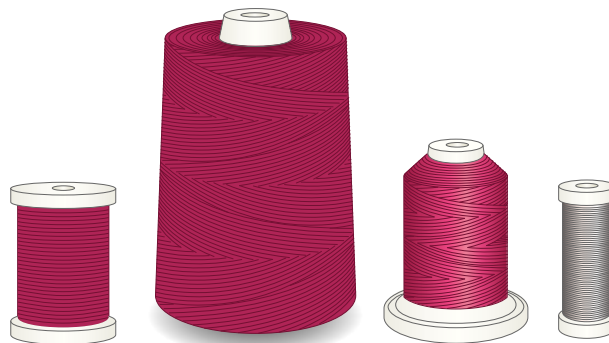
Embroidery thread is made from a variety of fibers: rayon, polyester, acrylic or metallic. These threads create a smooth glossy appearance for embroidery and other decorative stitching.

Embroidery thread is not typically used in the bobbin unless both sides of the project will be seen. A light weight, embroidery bobbin thread is often used in the bobbin instead. The lighter weight thread does not build up under the embroidery.

*Note: When using a metallic or a flat film thread for embroidery, you may need to use a needle with a larger eye and lower the embroidery speed.*


## Transparent Thread

Transparent thread, also called monofilament thread, is a single clear synthetic thread. It is used for quilting and other sewing techniques. When winding a bobbin, wind at half speed and fill the bobbin half full.



# Needles

The sewing machine needle plays an important role in successful sewing. Use only quality needles. We recommend needles of system 130/705H. The needle package included with your machine contains needles of the most frequently used sizes.

 *Be sure to match the needle to the thread you are using. Heavier threads require a needle with a larger needle eye. If the needle eye is too small for the thread the needle threader may not work properly.*

## Universal Needle

Universal needles have a slightly rounded point and come in a variety of sizes. For general sewing in a variety of fabric types and weights.



## Stretch Needle

Stretch needles have a special scarf to eliminate skipped stitches when there is a flex in the fabric. For knits, swimwear, fleece, synthetic suedes and leathers.



## Embroidery Needle

Embroidery needles have a special scarf, a slightly rounded point and a slightly larger eye to avoid damage to thread and materials. Use with metallic and other specialty threads for embroidery and decorative sewing.



## Denim Needle

Denim needles have a sharp point to penetrate tightly woven fabrics without deflecting the needle. For canvas, denim, microfibers.



## Wing Needle

Wing needles have wide wings on the side of the needle to poke holes in the fabric when sewing entredeux and other hemstitches on natural fiber fabrics.



## Important Needle Information

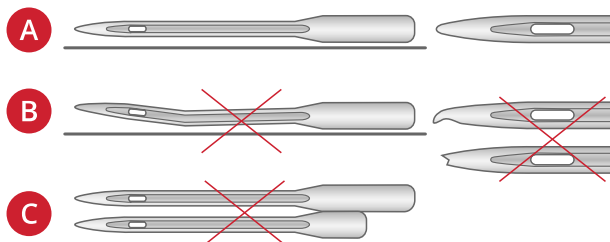


Change the needle often. As a general rule, needles should be changed every 6-8 hours of actual stitching time.

Always use a straight needle with a sharp point (A).

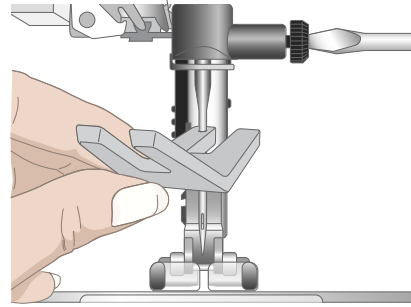
A damaged needle (B) can cause skipped stitches, breakage or snapping of the thread. It can also damage the needle plate.

Do not use asymmetrical twin needles (C), they can damage your sewing machine.



## Changing the Needle

1. Use the hole in the multipurpose tool to hold the needle.
2. Loosen the needle screw.
3. Remove the needle.
4. Insert the new needle using the multipurpose tool. Push the new needle upwards with the flat side away from you until it will go no further.
5. Tighten the needle screw carefully.



# Threading

## Threading the Upper Thread

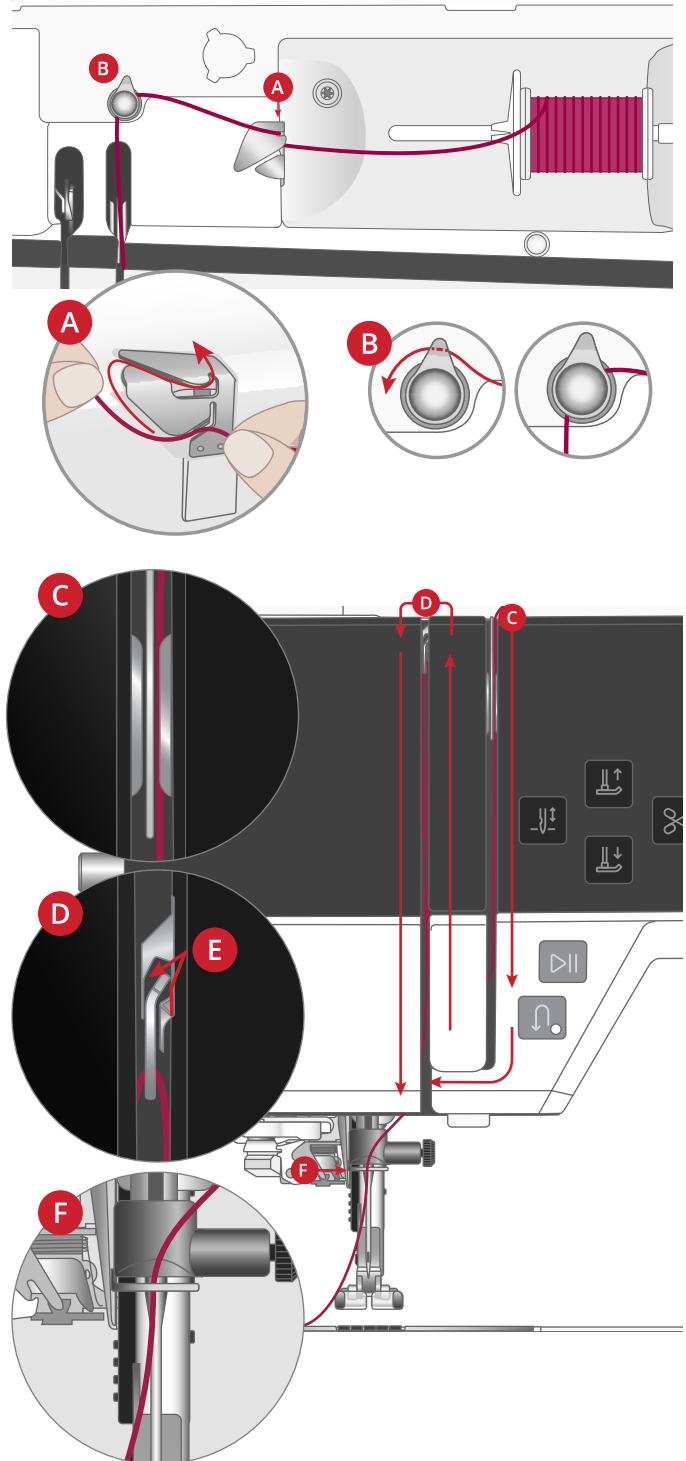
Make sure that the presser foot is raised and the needle is in the up position.

1. Place the thread spool on the main spool pin and fit a spool cap of the right size.
2. Hold the thread with two hands as illustrated. Floss the thread under the thread guide (A) from front to back. Pull thread back into and through threading slot.
3. Place the thread from right to left under the thread guide on the pre-tension disc (B).

*Note: Continue to hold the thread lightly next to the thread guide (A) throughout the threading process. This will create a bit of tension on the thread and ensure that the thread is properly seated in the threading path.*

4. Pull the thread between the thread tension discs (C). Thread down through the right threading slot and then upwards through the left threading slot. Bring the thread from the right into the take-up lever (D) until it clicks into place (E), and down in the left threading slot to the last thread guide (F) just above the needle.
5. Thread the needle using the needle threader or manually from front to back.

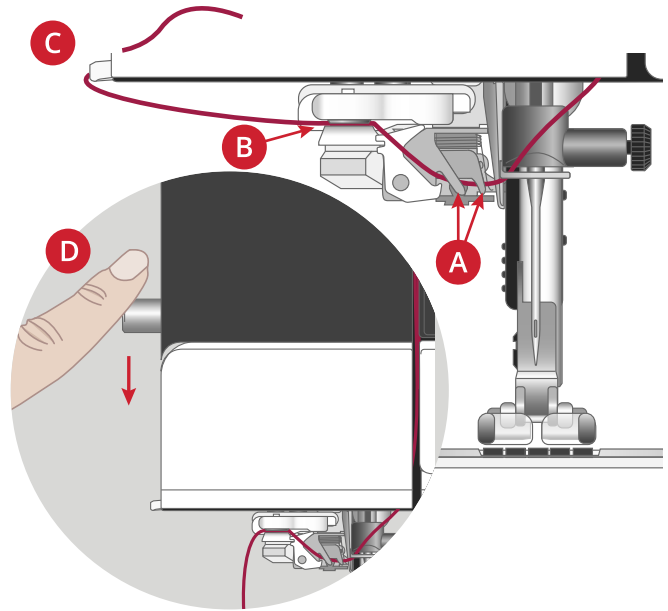
*Note: The weight and irregular surface of specialty threads such as metallic increases the amount of friction on the thread. By reducing the tension, the risk of needle breakage and thread breakage is reduced.*



## Automatic Needle Threader

The needle threader allows you to thread the needle automatically. The needle must be in the up position to use the needle threader.

1. Press the presser foot down button, followed by the needle up button to make sure they are in the correct position.
2. Place the thread under the hook (A) and pull it between the discs (B) until it "clicks" into place.
3. Pull the thread up to the thread cutter (C) and cut excess thread by pulling the thread from back to front into the thread cutter.
4. At the left side of the sewing machine is the needle threader lever (D). In a rapid movement, push the lever down and release it. The needle threader will be lowered and thread the needle.
5. Pull out about 4" (10cm) of thread beyond the needle eye. Press the presser foot up button to raise the presser foot. Place the thread under the presser foot.



*The needle threader is designed to be used with needles size 70-120. You cannot use the needle threader with needles size 65 or smaller, wing needles, twin needles or triple needles.*

*Specialty threads such as invisible and other stretchy threads, metallic or flat metallic threads, and some heavy weight threads may not be caught correctly by the hook on the needle threader. If this happens, the needle will not be threaded. Try using the needle threader again or thread the needle manually.*

*When threading the needle manually, make sure that the needle is threaded from front to back.*

## Selecting Correct Thread/Needle Combination



*The combination of the thread weight and the needle size is extremely important when using the needle threader.*

*Unsuitable combinations, such as using a heavy weight thread for a fine needle, may cause damage to the needle threader.*

*Avoid using fine needles with heavy fabrics to reduce the risk of bending the needle. Using the needle threader with a bent needle may cause damage to the needle threader.*

Fabric		Thread	Needle
Woven light	Chiffon, organza, batiste, challis, crepe de chine, etc.	Light weight threads: <ul style="list-style-type: none"> <li>• fine cotton, polyester or silk sewing thread</li> <li>• rayon embroidery thread</li> </ul>	Universal 130/705H 70/10-80/12
Woven medium	Calico, quilting fabrics, crepe, broadcloth, velvet, etc.	Medium weight threads: <ul style="list-style-type: none"> <li>• fine/normal cotton or polyester sewing thread</li> <li>• rayon embroidery thread</li> </ul>	Universal 130/705H 80/12-90/14
Woven heavy	Denim, tweed, canvas, terrycloth, etc.	Medium/heavy weight threads: <ul style="list-style-type: none"> <li>• normal cotton or polyester sewing thread</li> <li>• top stitching thread</li> <li>• rayon embroidery thread</li> </ul>	Universal 130/705H 90/14-110/18
Stretch light	Tricot, single knit jerseys, etc.	Light weight threads: <ul style="list-style-type: none"> <li>• fine cotton or polyester sewing thread</li> <li>• rayon embroidery thread</li> </ul>	Stretch 130/705H-S 75/11
Stretch medium	Sweater knits, double knit, velour, swimwear, etc.	Medium weight threads: <ul style="list-style-type: none"> <li>• normal cotton or polyester sewing thread</li> <li>• rayon embroidery thread</li> </ul>	Stretch 130/705H-S 90/14
Stretch heavy	Sweater knits, fleece, etc.	Medium weight threads: <ul style="list-style-type: none"> <li>• normal cotton or polyester sewing thread</li> <li>• rayon embroidery thread</li> </ul>	Stretch 130/705H-S 90/14
Leather	Suede and leather	Medium weight threads: <ul style="list-style-type: none"> <li>• normal cotton or polyester sewing thread</li> <li>• rayon embroidery thread</li> </ul>	Stretch 130/705H-S 90/14
Vinyl	Vinyl, faux leather and suede	Medium weight threads: <ul style="list-style-type: none"> <li>• normal cotton or polyester sewing thread</li> <li>• rayon embroidery thread</li> </ul>	Universal 130/705H 80/12

*Note: Specialty fabrics and threads may require a special needle for best stitch results. Refer to your PFAFF® retailer for more information on needle types and sizes for your sewing needs.*

## Threading for Twin Needle

Replace the sewing needle with a twin needle. Make sure that the presser foot and needle are in the up position.

1. Place the thread spool on the main spool pin and fit a spool cap of the right size.

Insert the auxiliary spool pin. Slide on a large spool cap and a thread spool to the spool pin.

2. Hold both threads with two hands as illustrated. Floss the threads under the thread guide (A) from front to back. Pull threads together back into and through threading slot.
3. Place one of the threads from right to left under the thread guide on the pre-tension disc, place the other thread directly into the pre-tension discs (B).

*Note: Continue to hold the threads lightly next to the thread guide (A) throughout the threading process. This will create a bit of tension on the threads and ensure that the threads are properly seated in the threading path.*

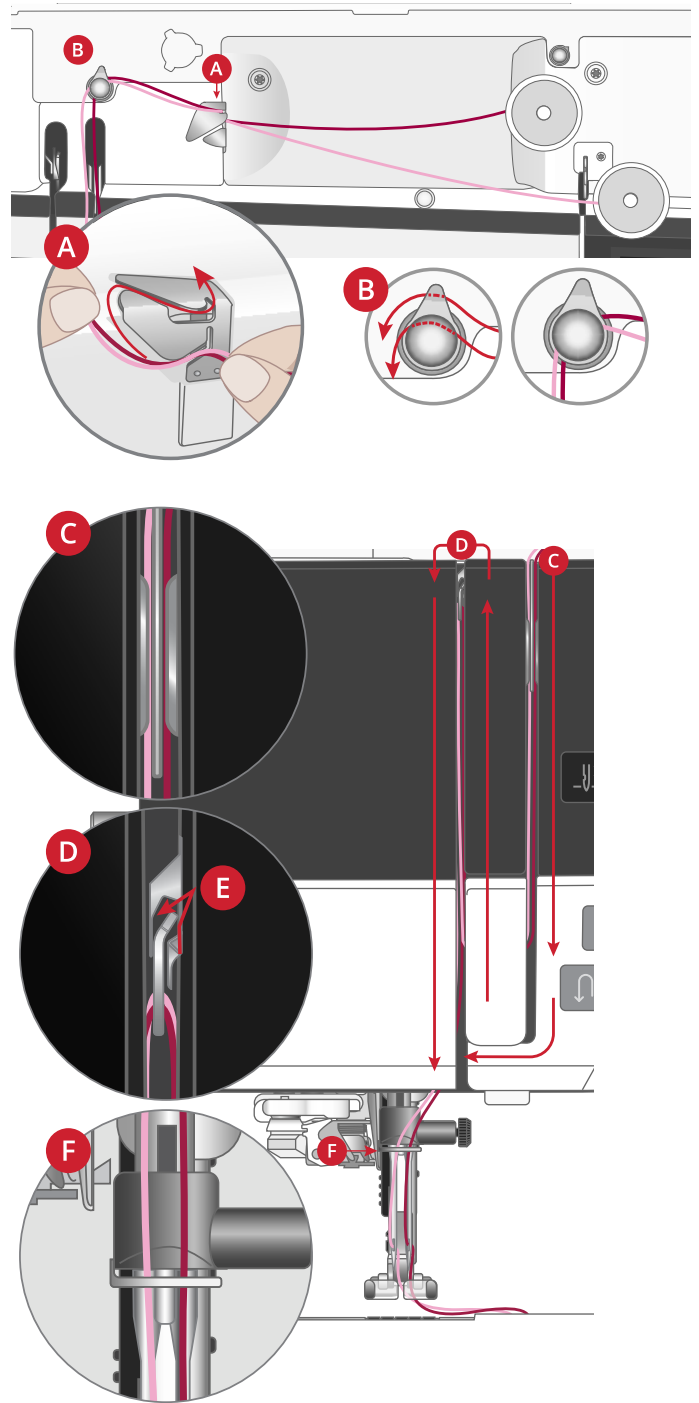
4. Pull the threads between the thread tension discs (C). Make sure that you place one thread to the left and one to the right side of the tension discs.

Thread down through the right threading slot and then upwards through the left threading slot. Bring the threads from the right into the take-up lever (D) until they click into place (E), and down in the left threading slot. Place both threads inside the needle thread guide (F). Make sure the threads do not become twisted together.

5. Thread the twin needle manually.

*Note: The weight and irregular surface of specialty threads such as metallic increases the amount of friction on the thread. By reducing the tension, the risk of needle breakage and thread breakage is reduced.*

*Tip: When using larger thread cones, use the optional creative™ Spool Stand, and place both threads in the telescope.*



## Threading Tips and Hints

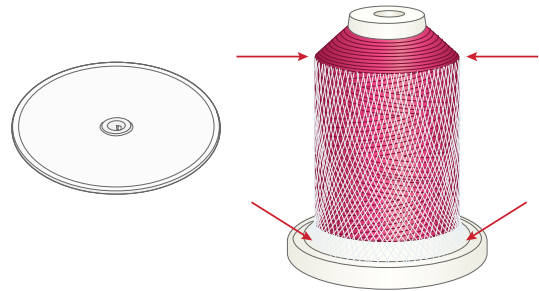
There are many threads on the market today developed for different purposes. The quality and structure of the thread as well as the shape and size of the thread spool can affect the behavior of the thread. Threads can also behave differently if the spool is full or nearly empty.

*Note: Always test sew on a scrap piece of fabric to check the sewing result.*

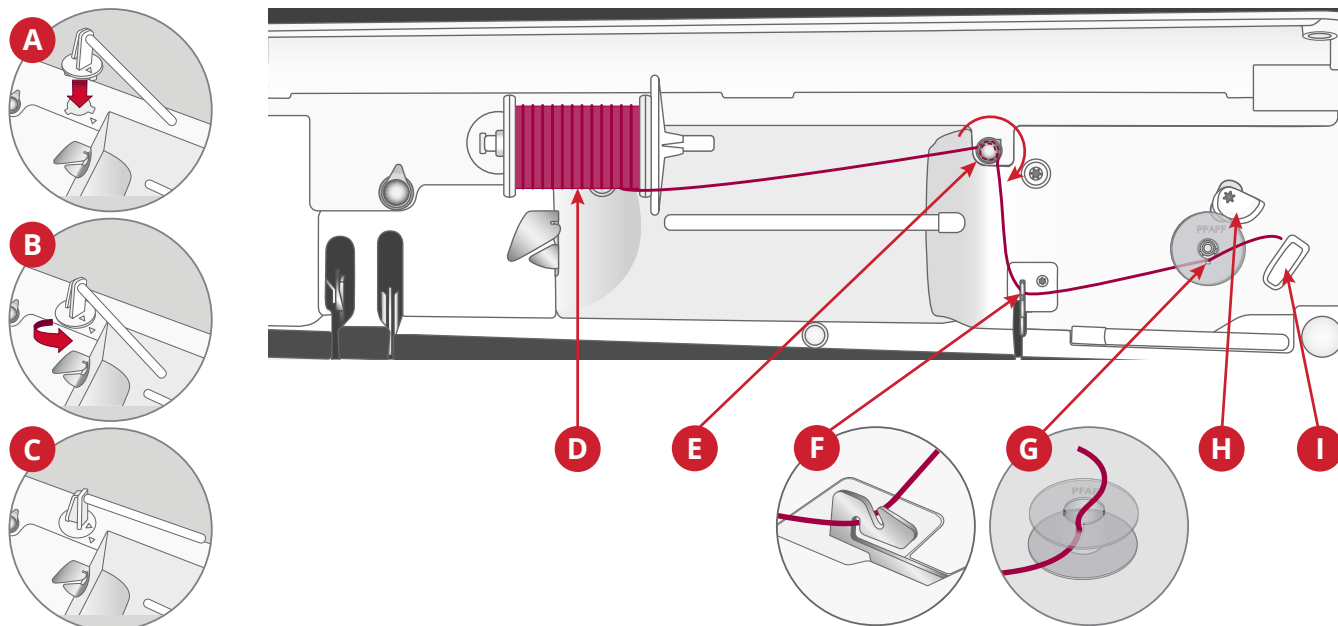
If the thread is of a quality that unwinds easily and slides down on the standing thread spool it can get caught under the thread spool around the spool pin and break. Place the large spool holder on the spool pin with the flat side up before placing the thread spool.

If the thread spool has the same diameter as the large spool holder, place a thread net as illustrated from below over the spool before placing it on the spool pin.

*Note: To prevent snagging or increased thread tension on the thread, the thread net should cover the lower part of the thread spool only, not the top where the thread spool narrows.*



## Bobbin Winding



All types of thread, including specialty threads such as invisible or other stretchy threads, metallic or flat metallic threads, should be wound directly from the bobbin spool pin without passing the needle and presser foot.

*Note: Always wind specialty threads at lower speed.*

1. Place the bobbin spool pin on top of the spool pin socket (A), aligning the arrow on the spool pin with the arrow on the socket.
2. Push the bobbin spool pin down and turn to the right (B) until it clicks in place (C).
3. Place a thread spool on the bobbin spool pin. Slide a spool cap firmly against the spool (D).
4. Bring the thread clockwise, a turn and a half, around and into the bobbin winding thread tension guide (E).
5. Bring the thread through the bobbin winding thread guide (F) as illustrated.



*For some specialty threads, following the normal threading path will result in a bobbin that is wound too tight. If this happens, bypass bobbin thread tension (E) to reduce the amount of tension on the thread. Pull the thread directly to the bobbin thread guide (F) instead.*

6. Thread through the slot in the bobbin (G) from the inside to the outside.

Place the bobbin on the bobbin spindle (G). The bobbin only fits on one way, with the logo facing out.



*The bobbins included are designed especially for your creative elevate™ 680 machine. Do not use bobbins from other machine models.*

7. Push the bobbin winding lever (H) towards the bobbin. A pop-up appears on screen. To adjust winding speed drag the slider. Hold the thread end firmly when starting to wind. Touch the play button in the popup window and let the thread wind a few turns. Touch the pause icon and cut the loose thread end close to the bobbin. Press play again.
8. When the bobbin is full, the bobbin winding lever will move back and the winding will stop automatically. The pop-up message closes. Remove the bobbin and cut the thread using the bobbin winding thread cutter (I).

## Winding Through the Needle

When using the same thread in the needle and bobbin, it is convenient to wind a new bobbin directly through the needle without having to unthread/re-thread your machine.



*We do not recommend winding speciality threads such as invisible or other stretchy threads, metallic or flat metallic threads through the needle. Very heavy and coarse threads should not be wound through the needle either as the thread tension can become too high, causing the needle to break. Wind speciality threads as described under [Bobbin Winding](#), page 29.*

1. Make sure that the presser foot and needle are in the up position.
2. Thread the machine as described under [Threading the Upper Thread](#), page 24.
3. Pull the thread from the needle, under the presser foot and up to the right.

*Note: Always use a metal presser foot when bobbin winding from the needle.*

4. Use both hands to bring the thread through bobbin winding thread guide (A), up through the threading slot and from left to right through thread guide (B).
5. Thread through the slot in the bobbin (C) from the inside to the outside.

Place the bobbin on the bobbin spindle. The bobbin only fits on one way, with the logo facing out.

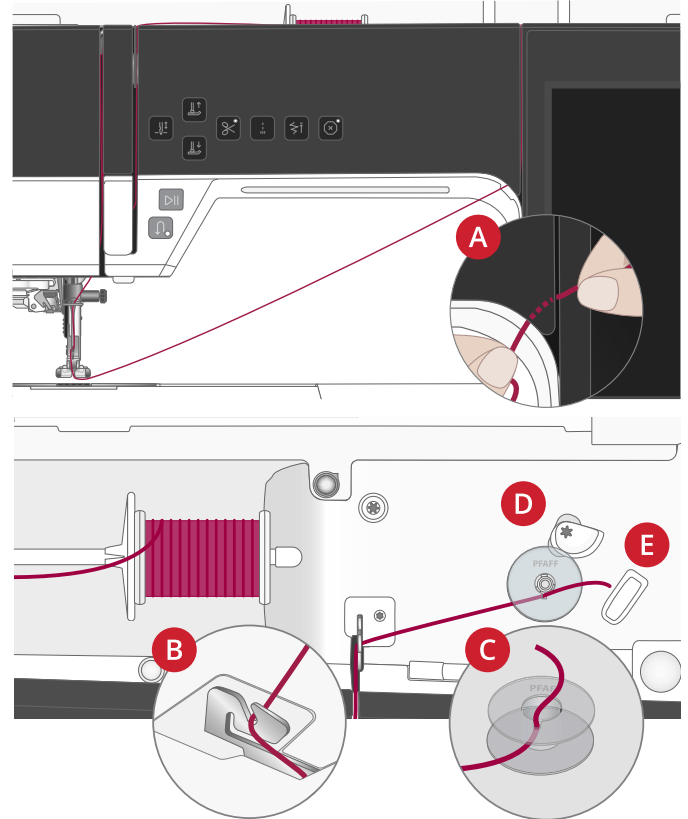


*The bobbins included are designed especially for your creative elevate™ 680 machine. Do not use bobbins from other machine models.*


6. Push the bobbin winding lever (D) towards the bobbin. A pop-up appears on screen. To adjust winding speed drag the slider. Hold the thread end firmly when starting to wind. Touch the play button in the popup window and let the thread wind a few turns. Touch the pause icon and cut the loose thread end close to the bobbin. Press play again.

*Note: Always use a metal presser foot.*

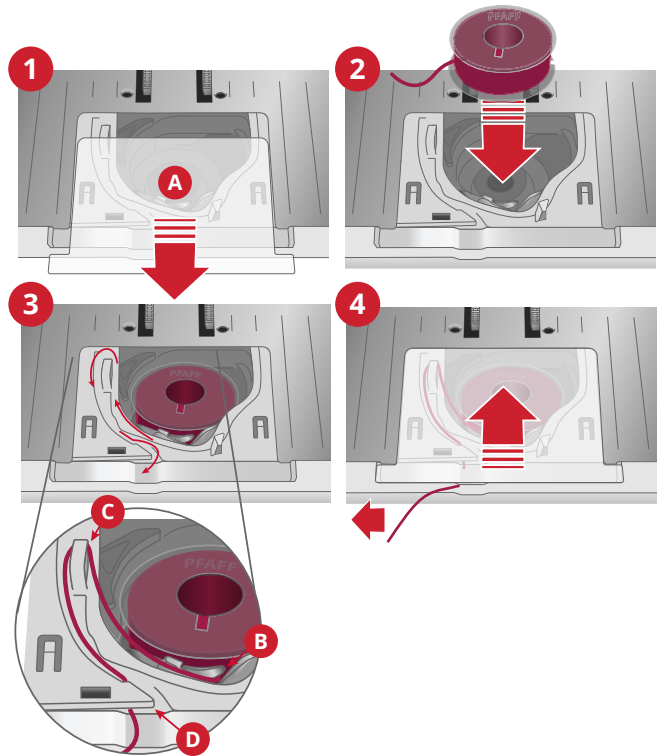
7. When the bobbin is full, the bobbin winding lever will move back and the winding will stop automatically. The pop-up message closes. Remove the bobbin and cut the thread using the bobbin winding thread cutter (E). Cut the free thread end close to the bobbin.



## Inserting the Bobbin

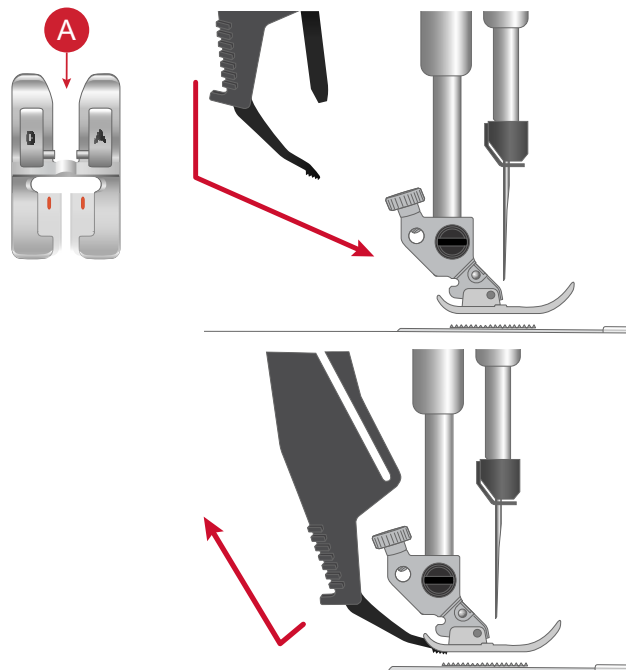
 Use only the bobbins designed for your creative elevate™ 680 machine.

1. Remove the bobbin cover by pushing it towards you (A).
2. Place the bobbin in the bobbin case. It drops in only one way with the logo facing up. The bobbin will then rotate counterclockwise when you pull the thread.
3. Place your finger on the bobbin to keep it from turning as you pull the thread firmly to the right and then to the left into the tension spring (B) until it “clicks” into place. Continue threading around (C) and to the right of the thread cutter (D).
4. Replace the bobbin cover. Pull the thread to the left to cut.



## IDT™ System (Integrated Dual Feed)

For sewing with an even feed also on more challenging fabrics, your machine provides the ideal solution: the integrated dual feed, IDT™ system. The IDT™ system feeds the fabric from the top and bottom at the same time. The material is fed evenly, eliminating puckering on seams in light weight fabrics such as silk and rayon. The dual feed action of the IDT™ system prevents layers from shifting while sewing, keeping quilt layers aligned and ensuring a more perfect match when sewing plaid or striped fabrics.



### Engaging the IDT™ System

Important: For all work with the IDT™ System, use presser feet with the center back cut-out (A). Raise the presser foot to extra high position. Press the IDT™ System down until it engages.

*Note: Your machine is equipped with an IDT sensor. You will be alerted if the IDT System isn't set according to the stitch recommendations for the selected stitch.*

### Disengaging the IDT™ System

Raise the presser foot. Hold the IDT™ system with two fingers at the ribbed ankle. Pull the IDT™ system down, then pull it away from you to release the IDT™ system slowly upward.

## Changing the Presser Foot

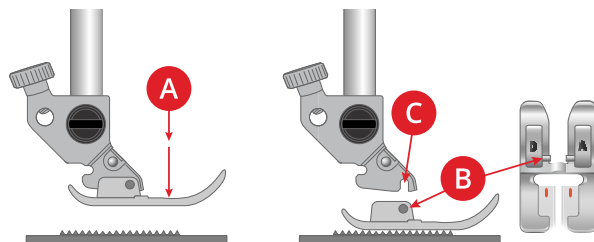
### Remove Presser Foot

Press the presser foot downwards until it disengages from the presser foot holder.

### Attach Presser Foot

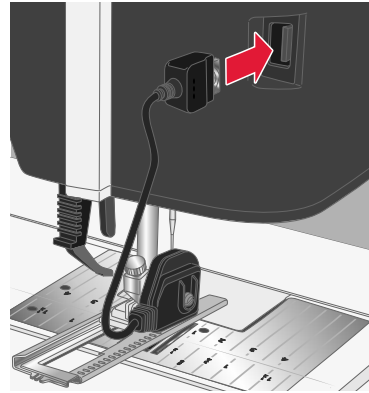
Line up the pins on the foot with the gap underneath the presser foot holder. Press upwards until the foot snaps into place.

You can also use the presser foot up/down buttons to raise or lower the presser foot holder. Place the presser foot under the presser foot holder, so that the pins of the foot snap onto the presser foot holder when lowered.



## Attaching the Sensormatic Buttonhole Foot

1. Snap on the sensormatic buttonhole foot.
2. Insert the plug, with the three dots facing out, into the accessory socket at the back of the sewing head.



## Getting Started with WiFi and CREATIVATE™

### Connect to a Network with WiFi

Touch the WiFi button. Select from the list of available networks. If your network is password protected, you will be prompted to enter the password to connect.

For more information, see [WiFi Introduction](#).



*WiFi icon*

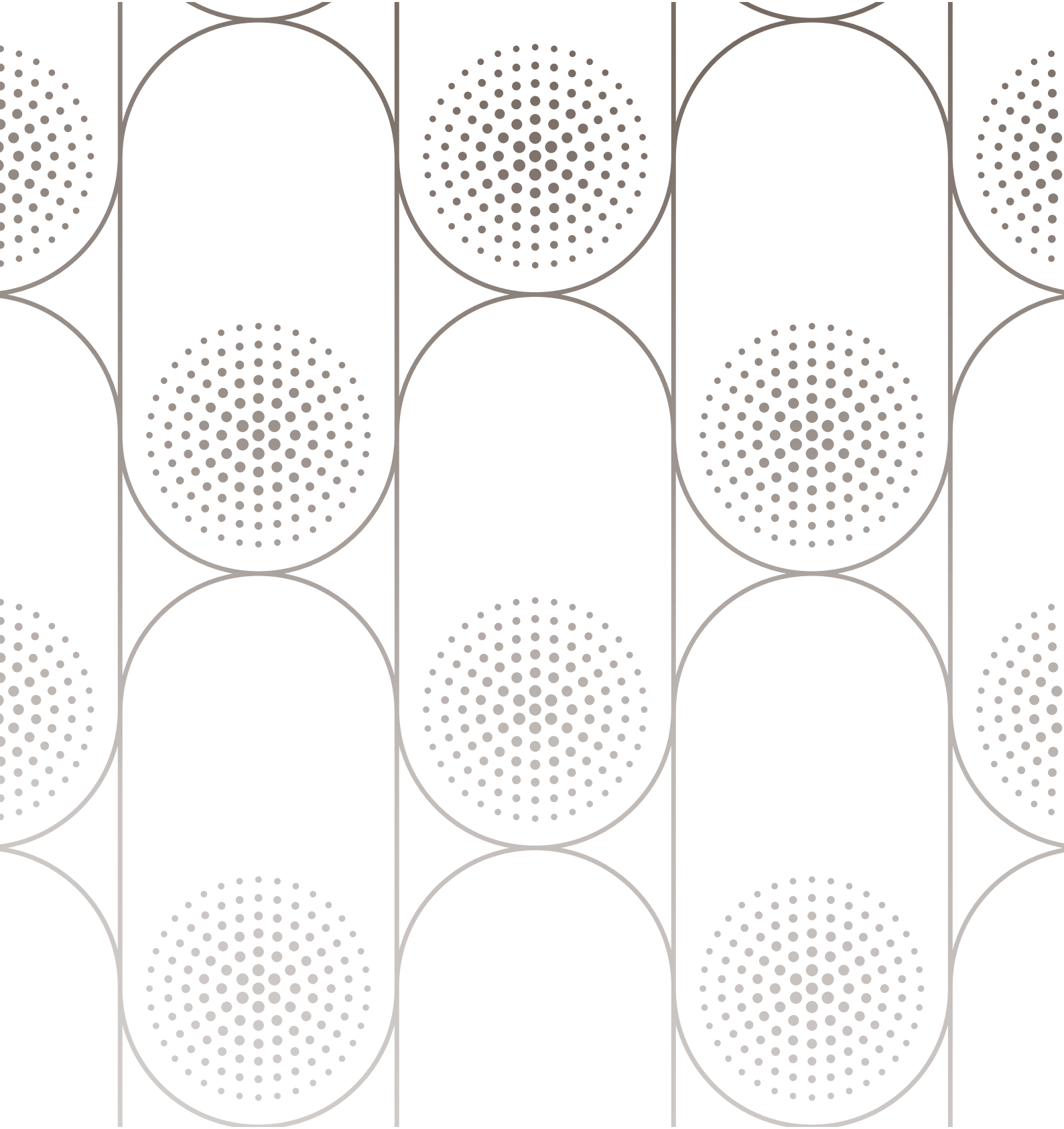
### Connect to CREATIVATE Services

When you have established a WiFi connection, touch the CREATIVATE icon and sign in to your account. If you do not have a CREATIVATE account, you can easily create one, visit [CREATIVATE.com](http://CREATIVATE.com) for more information.



*CREATIVATE icon*




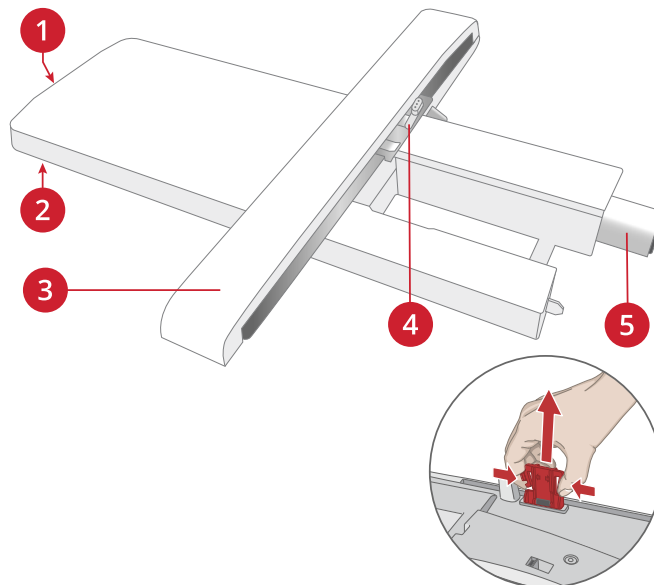


Embroidery Preparations

## Embroidery Unit

1. Embroidery unit release button (underside)
2. Level adjustment feet
3. Embroidery arm
4. Embroidery hoop attachment
5. Embroidery unit plug

 *When removing the embroidery unit from the box for the first time, be sure to remove the shipping brace at the underside of the embroidery unit.*



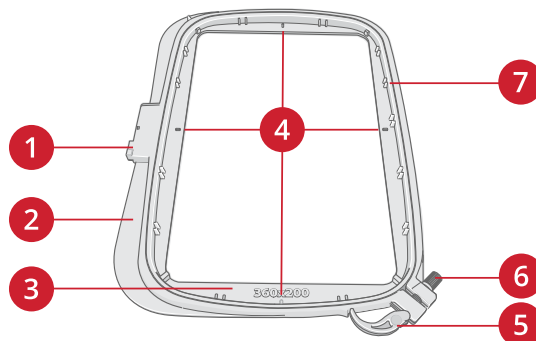
## Enabling Embroidery Functionalities

You can purchase the optional embroidery unit for your creative elevate™ 680 machine. This will enable all embroidery functionalities mentioned in this manual.

*Note: The embroidery functionalities will still be visible on screen without the embroidery unit.*

## Embroidery Hoop Overview

1. Embroidery hoop connector
2. Outer hoop
3. Inner hoop
4. Center marks
5. Quick release
6. Retaining screw
7. Ribs for fitting the clips



## Embroidery Designs

More than 300 designs are included in the machine memory. These designs, along with the eight built-in embroidery fonts, are shown in the creative elevate™ 680 Design Booklet.

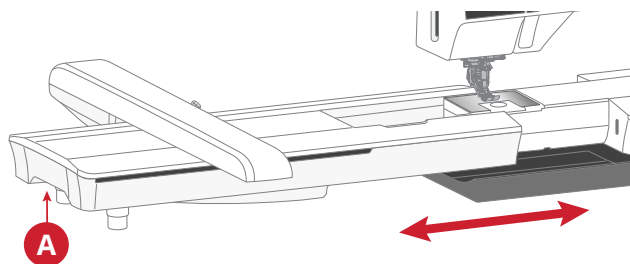
You can find the Design Booklet for your machine on the website.

All included designs are pictured with information about stitch count (number of stitches in the design), design size, a complete color block list as well as information about special techniques (if applicable).

## Connect the Embroidery Unit

1. Slide the accessory tray off.
2. Slide the embroidery unit onto the free arm of the machine until it plugs firmly into the socket at the back of the machine. If needed, use the level adjusting feet so that the machine and embroidery unit are even. If the machine is turned off, turn it on.
3. If you were already in embroidery mode or when you switch to embroidery mode, a pop-up message tells you to clear the machine area and remove the hoop before calibration. Touch OK. The machine will calibrate and the embroidery arm will move to the ready position.

*Note: DO NOT calibrate the machine with the embroidery hoop attached as this can damage the needle, presser foot, hoop and/or the embroidery unit. Be sure to clear all materials from around the machine before calibrating so that the embroidery arm does not bump into anything while calibrating.*



## Remove the Embroidery Unit

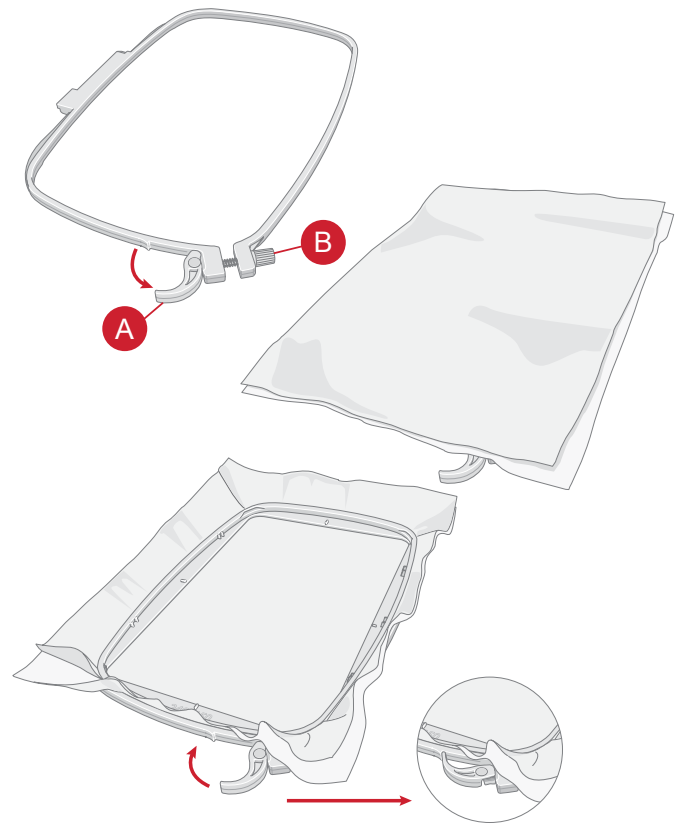
1. To store the embroidery unit in the embroidery case, move the embroidery arm to park position. See [park position, page 94](#).
2. Press and hold the release button at the left, underneath the embroidery unit (A) and slide the unit to the left to remove it.
3. Store the embroidery unit in the original black styrofoam packing material, placed in the soft carrying bag.

## To Hoop the Fabric

For the best embroidery results, place a layer of stabilizer beneath the fabric. When hooping stabilizer and fabric make sure that they are smooth and securely hooped.

1. Open the quick release (A) on the outer hoop and loosen the screw (B). Remove the inner hoop. Place the outer hoop on a firm flat surface with the screw (B) on the lower right. There is a small arrow in the center of the lower edge of the hoop which will line up with a small arrow on the inner hoop.
2. Place the stabilizer and fabric, with the right sides facing up, on top of the outer hoop. Place the inner hoop on top of the fabric with the small arrow at the bottom edge. If you can see the hoop size in the lower part of the inner hoop, you have attached it correctly.
3. Push the inner hoop firmly into the outer hoop.
4. Close the quick release (A). Adjust the pressure of the outer hoop by turning the retaining screw (B). The fabric should be taut in the hoop for the best results.

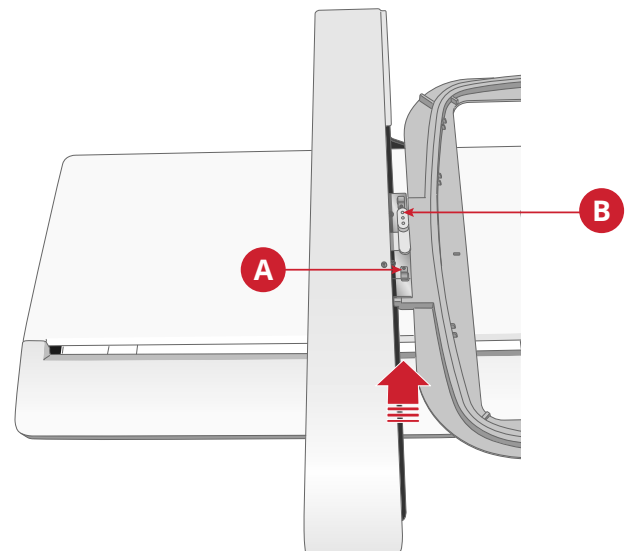
*Note: When embroidering additional designs on the same fabric, open the quick release, move the hoop to the new position on the fabric and close the quick release. When changing type of fabric, you might need to adjust the pressure using the retaining screw. Do not force the quick release.*

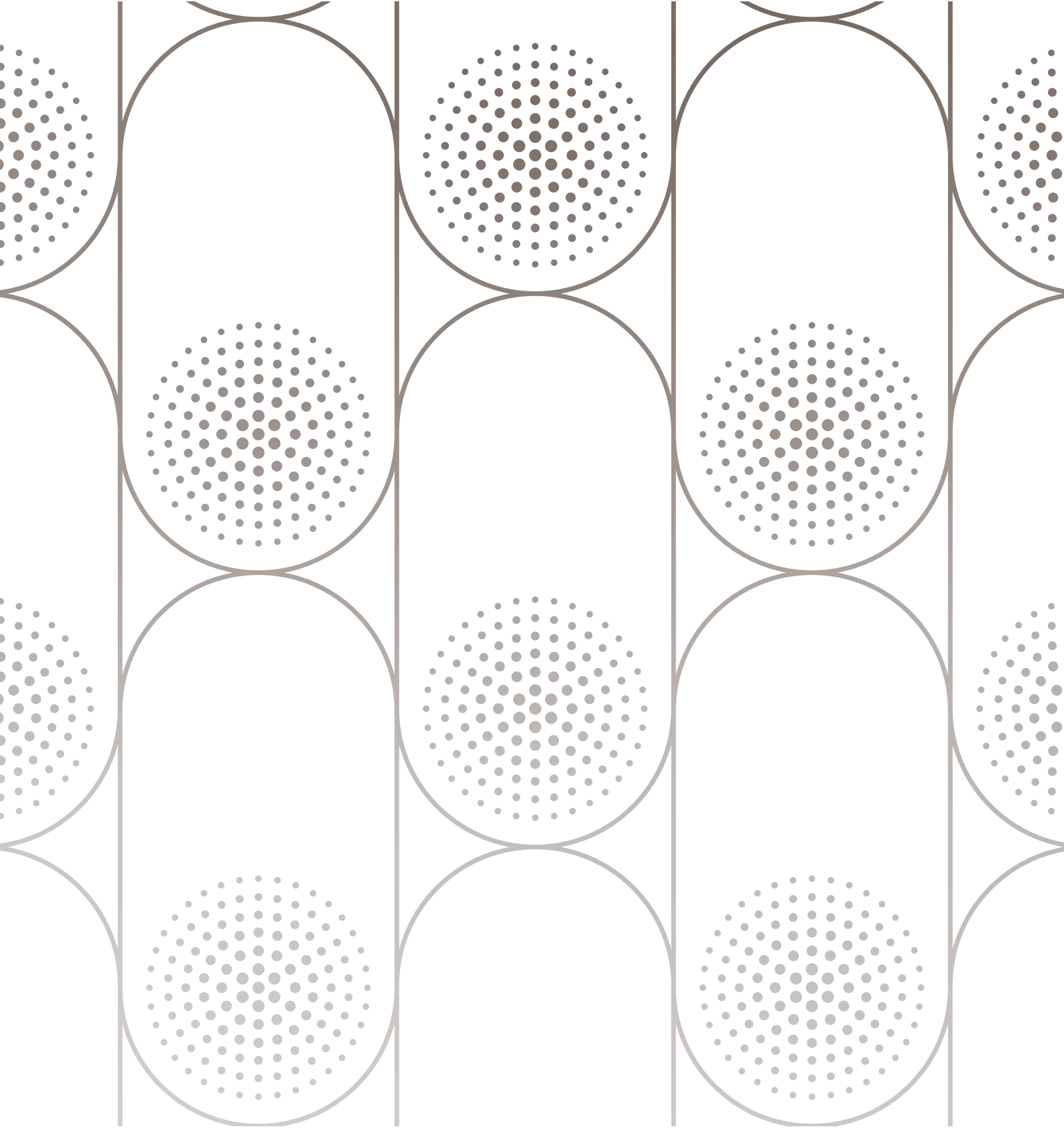


## Slide on/off the Hoop

Slide the hoop connector into the hoop attachment (A) from front to back until it clicks into place.

To remove the hoop from the embroidery arm, press and hold the grey button (B) on the hoop attachment and slide the hoop towards you.





# The Multi-Touch Screen

## Main Functions

Images may look different than your screen and/or machine depending on what machine model and color settings you have. All functionality has been verified to be accurate for this model.

### Home

The home screen is shown every time you start your creative elevate™ 680 machine. The home screen is always accessible through the home button.



### CREATIVATE™ Services

With empowering design tools and intuitive software for every skill level, CREATIVATE gives you the magic touch on all your projects. Go to CREATIVATE.com to become a free Basic Member today.



### Learning Center

This is where you will find tutorials in both sewing, embroidery, quilting as well as learn more about your machine, accessories, recommended needles and stabilizers.



### User's Guide

Here you will find information about how to operate your creative elevate™ 680 machine and what the different features of the machine are.



You can look through the user's guide using the table of contents or sorted by an alphabetical index.

### Save

Touch to save your stitch, design or sequence at anytime.



### Mode Switch

Touch to switch between sewing mode and embroidery edit. You can also start a new sewing or embroidery session.



### Quick Help

On almost every function and icon on screen, you can get a short description by using the quick help function.

Touch the question mark icon. Then touch an icon or an area on the screen you want information about.

Some quick helps will refer to the user's guide for more information.



## Common Functions

The following functions on the screen are used frequently.

### OK

Confirms changes and pop-up messages and returns to previous window.



### Cancel

Cancels changes and pop-up messages and returns to previous window.



### Touch & Hold

Some buttons have additional functions, marked with an arrow at the lower right corner. To access those functions, touch & hold on the icon for a few seconds.



### Smart Toolbox

The smart toolbox is available in the sewing and embroidery area. Touch & hold anywhere in your work area to open the smart toolbox and select the option you want.

The options included in the smart toolbox differ depending on where they are used. For example; duplicate, delete, mirroring and edit.

### Customize Your Work Area

The creative elevate™ 680 allows you to access the functions you use the most by arranging them as you desire on the screen. Touch & hold the move icon in the center until the control pop's up. Drag and drop it to desired location. Your machine will remember your changes when turning your machine off. Touch the x to close the control. To reset the toolbar to default, use smart toolbox and select reset toolbar.



*Move*

## Top Bar

Several functions are accessible on the top bar, for example CREATIVATE, home button, quick help, and settings.

*Note: All functions may not always be available at the same time.*



1. Sewing/embroidery mode toggle
2. User's guide
3. CREATIVATE
4. Project viewer
5. Update available
6. Home
7. Timer
8. Quick help
9. WiFi
10. Settings
11. Clock

## Secondary Top Bar

In the secondary top bar you will see recommendations for your selected stitch, see which features that are currently active, as well as information such as stitch name and speed.

You can expand and collapse by clicking the arrow. Then you will see the full name of all the icons.



1. Recommendations
2. Information
3. Active features
4. Extended secondary top bar

## Recommendations

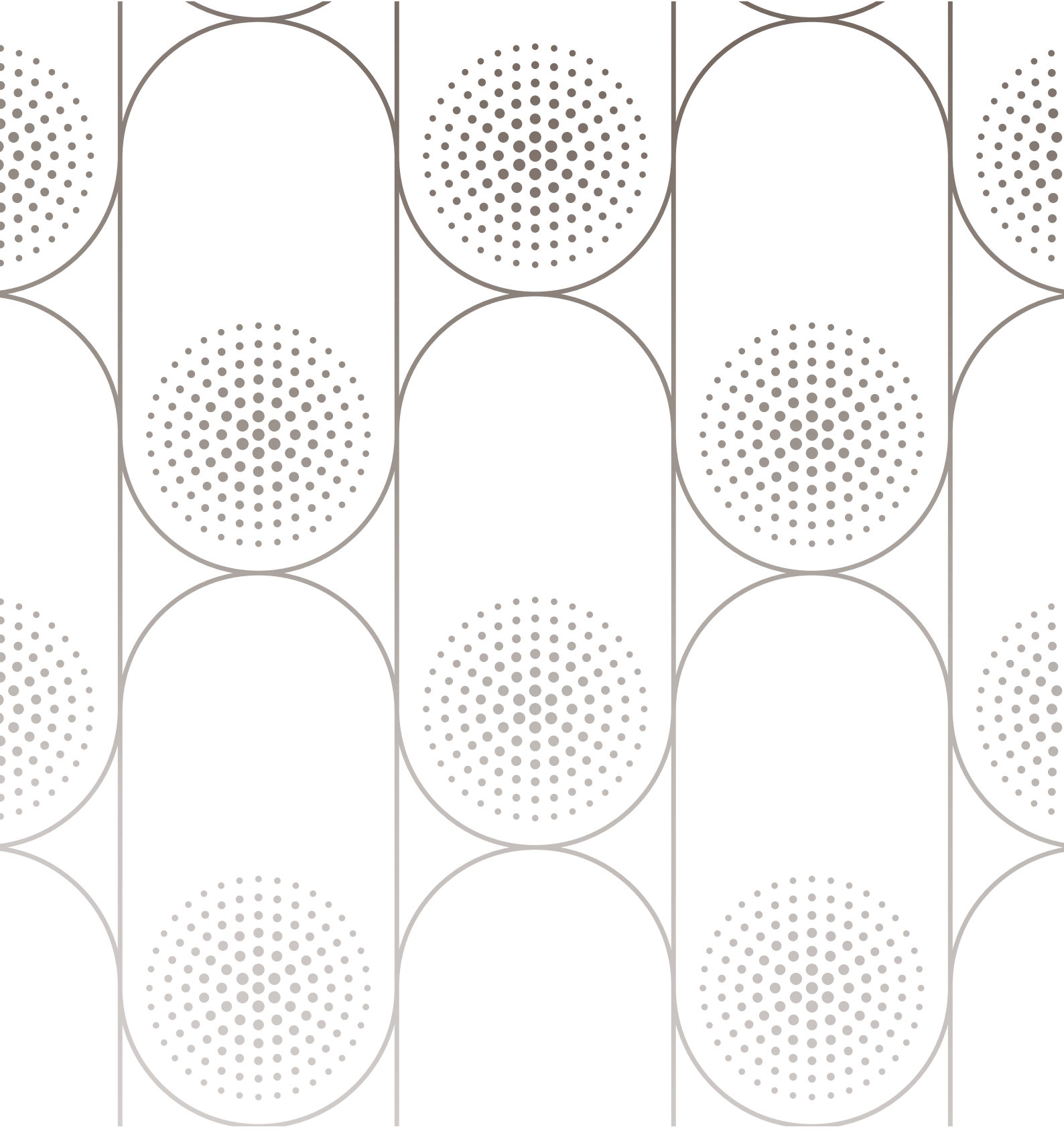
Recommendations are only available in sewing mode. It shows recommendations for the selected stitch regarding presser foot, IDT™ System, needle plate, and/or if stabilizer should be used.

## Information

Shows for example selected stitch/total number of stitches in the design depending on which mode you are currently in. It also shows the speed setting for selected stitch/design.

## Active Features

This section shows activated features, such as tie-off options, needle down or changes you have made in settings.



WiFi & CREATIVATE™ Services

## WiFi Introduction

Your creative elevate™ 680 machine features WiFi, which makes it possible to connect your machine wireless to the CREATIVATE services.

### Getting Started With WiFi

Touch the WiFi button and activate WiFi. Select a network from the list of available networks. If your network is password protected, you will be prompted to enter the password to be able to connect.

Touch the settings icon to see more settings for the network. You can also see the signal strength and if the network is password protected, indicated with a closed padlock.

You can also connect to a network with WiFi in [WiFi Settings](#).

If you do not get any signal or have a low signal strength see [Troubleshooting](#).



- A. WiFi is disconnected. Connect to a network through WiFi button or [WiFi settings](#).
- B. WiFi is connected with low signal strength.
- C. WiFi is connected with medium signal strength.
- D. WiFi is connected with high signal strength.
- E. WiFi is connected but the network does not work properly.

## Firmware Updates

### Firmware Update Using WiFi

It is always recommended that you install the latest firmware in your machine.

To be able to get the latest firmware you need to connect to a network using WiFi. When connected, your machine will automatically search for an available firmware update. If the machine has detected that there is a newer firmware available, the firmware update icon will be visible. Touch the icon to download and install the latest firmware.

When the update is completed the machine will restart automatically. Check the firmware version number in settings, [Machine Information](#).



Indication that your machine does not have the latest firmware and that an update is available.

### Firmware Update Using a USB Device

Visit the PFAFF® website and find your machine. Here you will find the available updates.

1. Download the update firmware zip file. Unzip the file and copy the file (.clo) to a USB device.

*Note: Do not change the name of the file or do not copy the file into an existing folder on the USB device.*

*Note: Make sure that there is no old firmware update file (.clo) on the USB stick when copying the new firmware update file (.clo). The file name is not unique.*

2. Make sure that the machine is turned off. Connect the USB device loaded with the new firmware version to a USB port on your machine.
3. Press and hold the [reverse button](#), located on the front of the machine, and turn on your machine with the ON/OFF button. Release the reverse button when an update icon is shown on the screen.
4. The firmware update will be verified and installed. The machine may restart several times during the update process. Do not turn off the machine.
5. When the update is completed the machine will restart automatically. Check the software version number in settings, [Machine Information](#).

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## CREATIVATE

### Design Catalog

Browse thousands of ready-made designs and assets including complete projects with easy-to-follow, step-by-step instructions.

### CREATIVATE Blog

In CREATIVATE blog you can view the latest product news, sewing instructions and get inspiration!

The machine needs to be connected to WiFi to be able to see the feed.

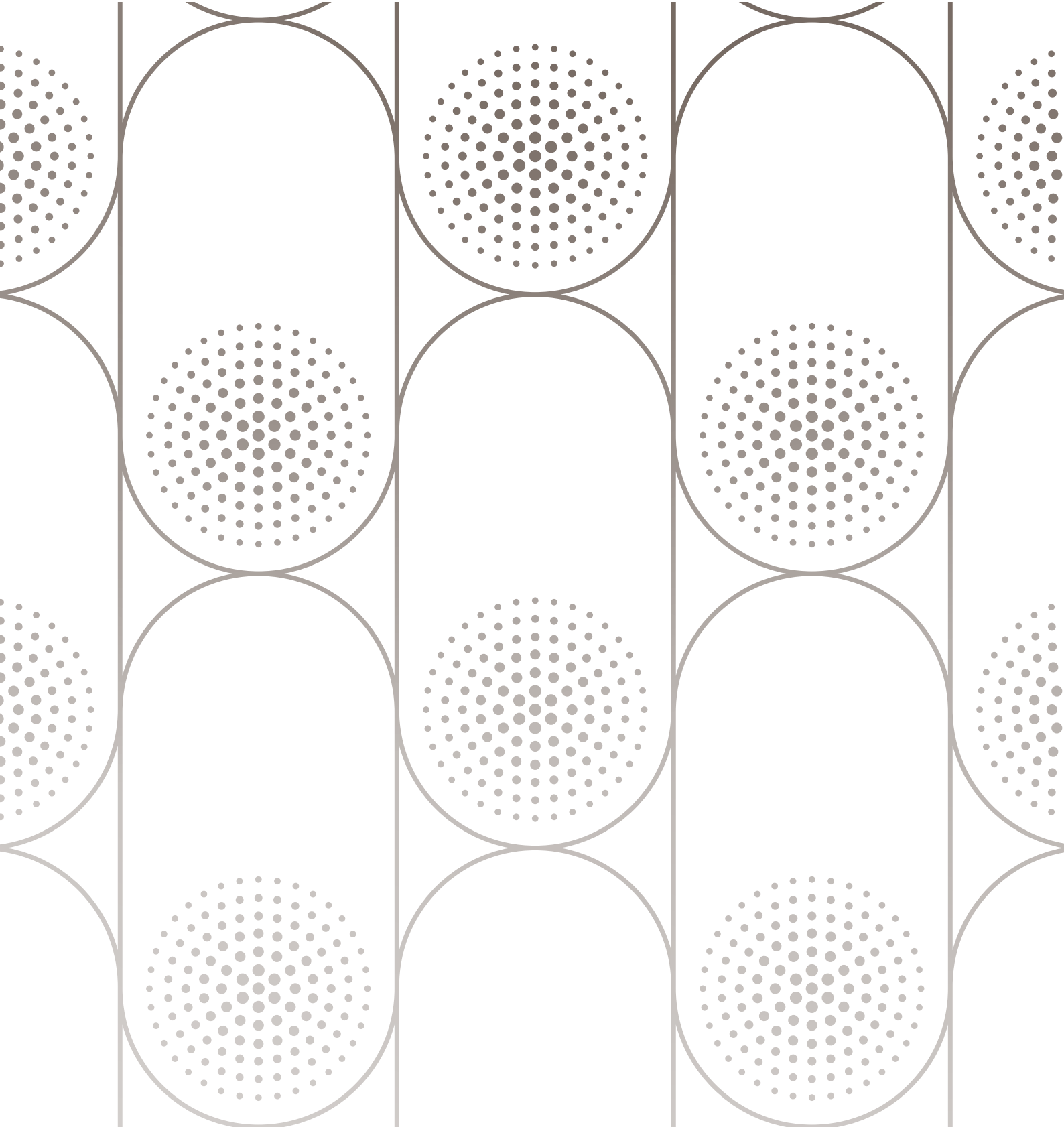
### CREATIVATE App

You can download the app for free to your mobile device. Visit [CREATIVATE.com](https://creativate.com) to learn more. You can download directly in your App Store of choice.



- A. *Signed in to CREATIVATE*
- B. *Synchronizing files with CREATIVATE*
- C. *Not signed in to CREATIVATE*





Home Screen

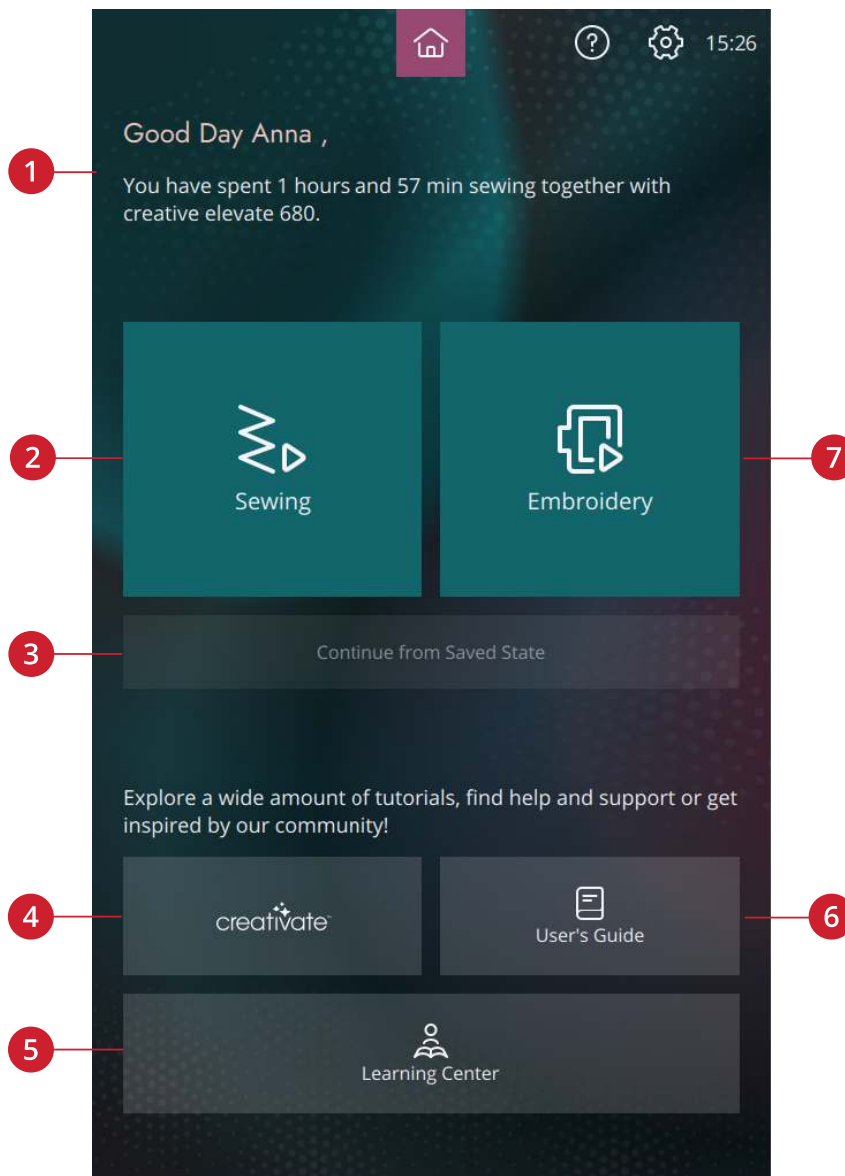
# Home Screen— Overview

The home screen is filled with guidance, inspiration and help, making sure that you get the assistance you need in order to utilize your machine’s full potential.

Here you'll find the Learning Center feature, which includes a large amount of different tutorials to choose from.

If you’re in need of inspiration on what to create, read the CREATIVATE blog, which is updated frequently.

Read your user's guide directly on screen for instant help.



- 1. User profile
- 2. Sewing – start new session
- 3. Continue from saved state
- 4. CREATIVATE
- 5. Learning Center
- 6. User’s guide
- 7. Embroidery – start new session

## Edit Machine Nickname

On your home screen you can see the name of your machine.

This can be useful when owning more than one machine to distinguish one machine from another. The name will be shown on the screensaver.

You can change your machine’s nickname in settings.

## User Profile

When you are signed in to your CREATIVATE account, your user name will be shown. You will receive information on, for example, how much time you've spent sewing on your machine.

## Sewing/Embroidery — Start New Session

Click here if you want to go to sewing mode or embroidery edit directly.

## Continue from Saved State

When saving current state, all your adjustments are stored and you can continue later by touching "continue from saved state".

*Note: You can only have one current state saved at a time.*

## CREATIVATE

In CREATIVATE blog you can view the latest product news, sewing instructions and get inspiration!

The machine needs to be connected to WiFi to be able to see the feed.



## User's Guide

Here you will find information about how to operate your creative elevate™ 680 machine and what the different features of the machine are.

You can look through the user's guide using the table of contents or sorted by an alphabetical index.



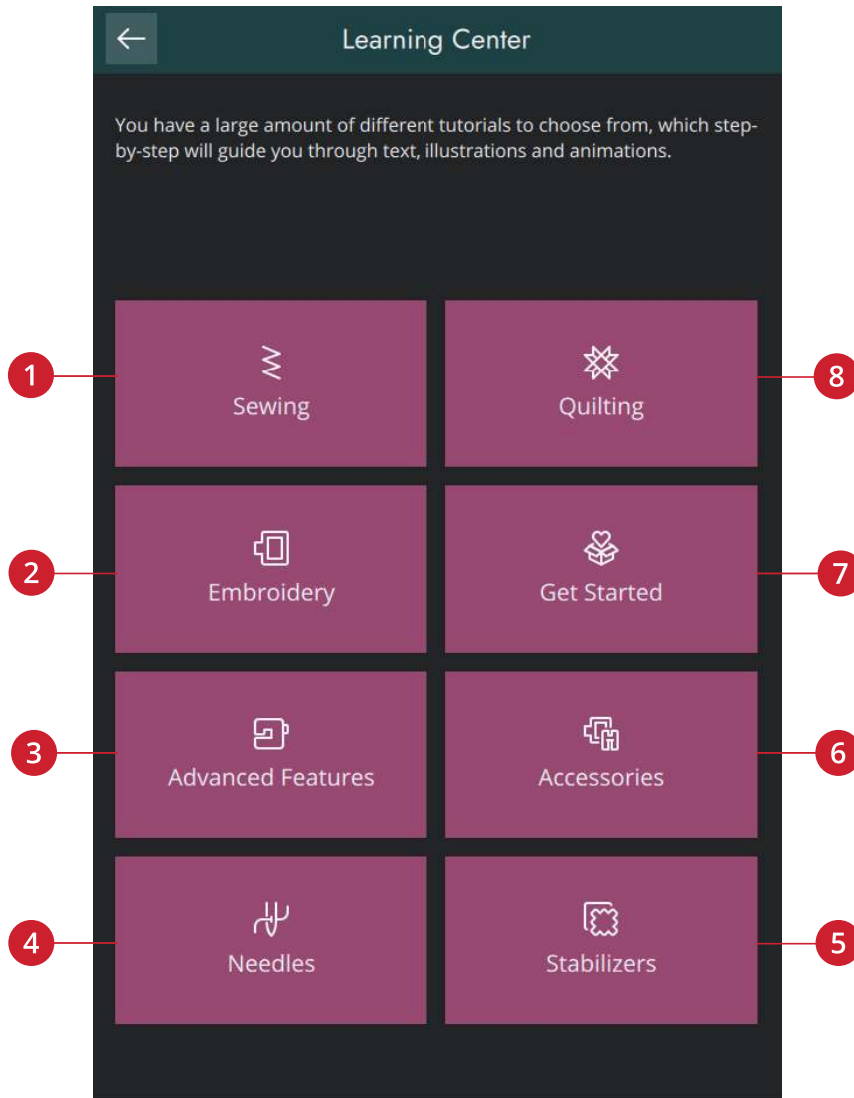
# Learning Center

You have a large amount of different tutorials to choose from, which step-by-step will guide you through text, illustrations and animations.

You can learn a lot of different techniques within sewing, quilting and embroidery. If you need help with the basics of your machine, for example how to; thread the

machine, wind the bobbin or make your machine ready for embroidery, there are tutorials for that as well. You can even find tutorials on how to use your accessories.

Use the search function to search within the Learning Center.



- |                      |                |                |
|----------------------|----------------|----------------|
| 1. Sewing            | 4. Needles     | 7. Get started |
| 2. Embroidery        | 5. Stabilizers | 8. Quilting    |
| 3. Advanced features | 6. Accessories |                |

## Sewing

When loading a sewing technique the machine will select the best stitch and settings for your project. Depending on which choices you make, Learning Center will recommend the most suitable sewing techniques.



## Quilting

Quilting is a method of stitching layers of material together. There are several different quilting techniques, we will walk you through some of the most common ones.



## Embroidery

Embroideries are embellishments that can be made in endless ways.

We have a wide range of embroidery techniques for you to try out, for example cutwork, appliqué and yarn embellished embroidery to name a few.



## Get Started

In this section you will find help that has to do with the basics of the machine such as threading the machine, how to engage and disengage the IDT™ System and prepare your machine for embroidery.



## Advanced Features

Your machine has a lot of great features which enables you to create unique stitches and sequences, shape your texts and much more.

All tutorials in this category will walk you through all of these features included in your machine.



## Accessories

There is a wide assortment of PFAFF® accessories that are compatible with your machine.

The tutorials in this category will show how to use accessories both for sewing, embroidery and quilting.



## Needles

In this category you can read more about all the different types of PFAFF® needles that you can choose from.



## Stabilizers

When embroidering, the use of a stabilizer is necessary. PFAFF® offers a selection of different types of stabilizers, depending on your need.

In this category you can find information about all available stabilizers in our assortment and when they are recommended to be used.

- **Cut-a-Way:** Cut-a-Way stabilizers are stabilizers that need to be cut away by using scissors. It will stay on the fabric to make the embroidery more stable.
- **Batting:** Use batting between your top fabric and backing to add body to your project.
- **Water soluble stabilizer:** The stabilizers in this category are stabilizers that dissolves in water. They are very useful when embroidering lace and cutwork embroideries.
- **Specialty:** In this category you will find stabilizers for special uses.
- **Tear-a-Away:** Tear-a-way stabilizers are temporary stabilizers. They are easy to remove after embroidering



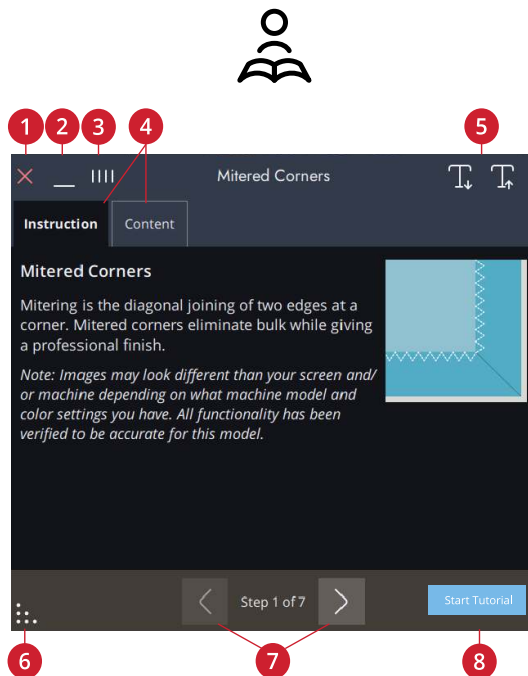
## Project Viewer

When loading a tutorial from Learning Center it will be shown in the project viewer.

You can enlarge the images shown by touching it.

Load the recommended stitch for the loaded technique by touching the stitch in the viewer.

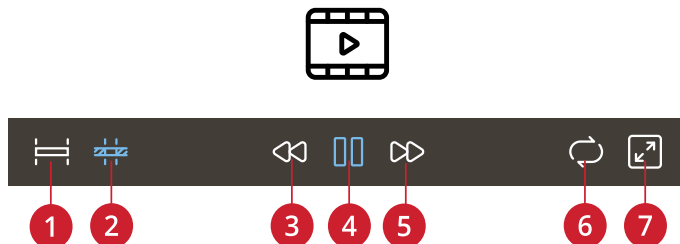
In every tutorial, content is filtered out based on the chosen technique.



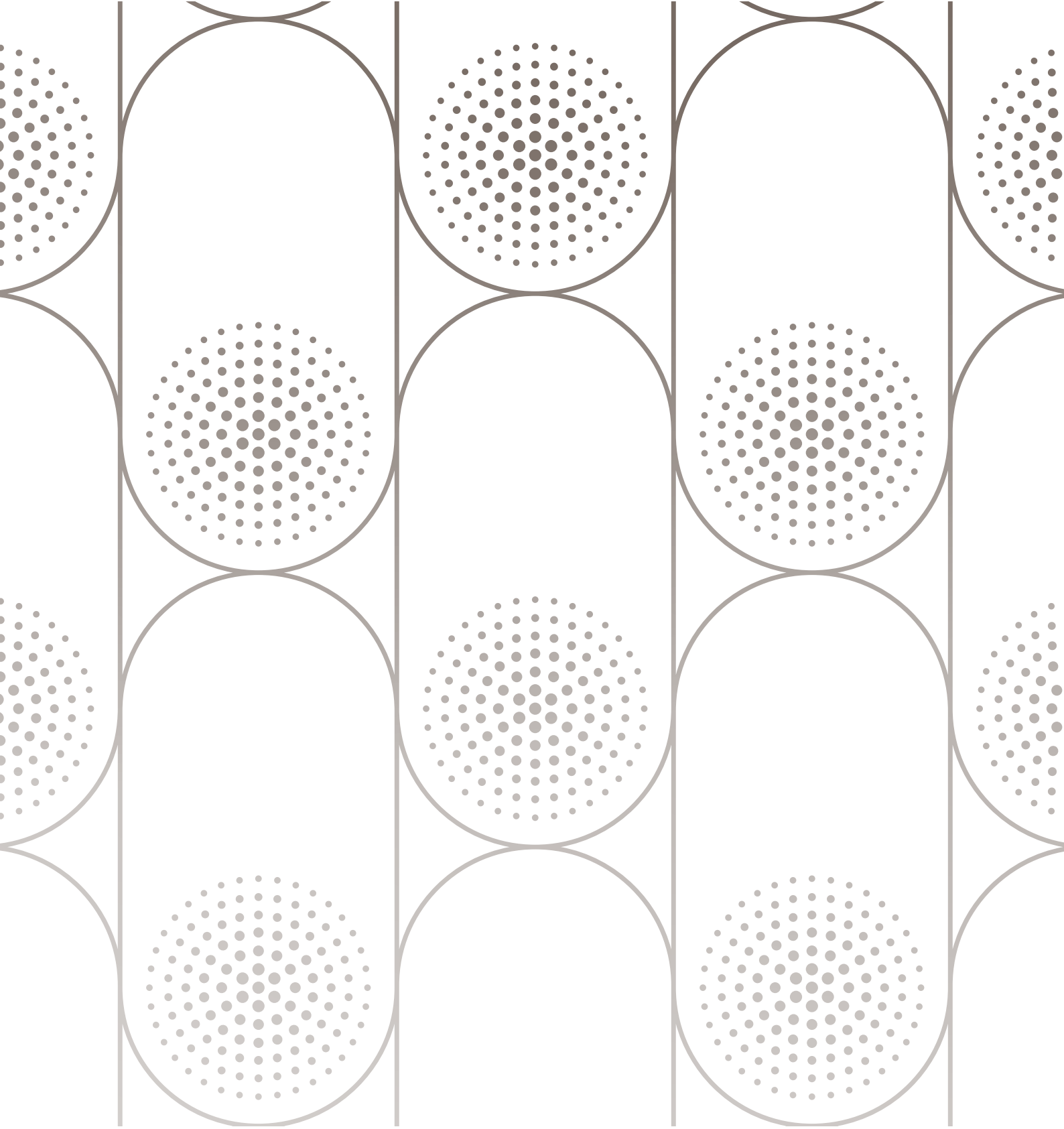
1. Cancel
2. Minimize
3. Detach/move
4. Instruction/content
5. Decrease/increase text size
6. Resize
7. Step backward/forward
8. Start tutorial

## How to Play Animations

In the video player you can pause, rewind, fast forward, set the animation on repeat and turn full screen mode on/off. Touch cancel to close the video player. Touch & hold on rewind to start the animation from the beginning.



1. Watch full animation
2. Watch clip
3. Rewind (touch & hold to go to beginning)
4. Play/pause
5. Fast forward
6. Repeat on/off
7. Full screen on/off



Sewing

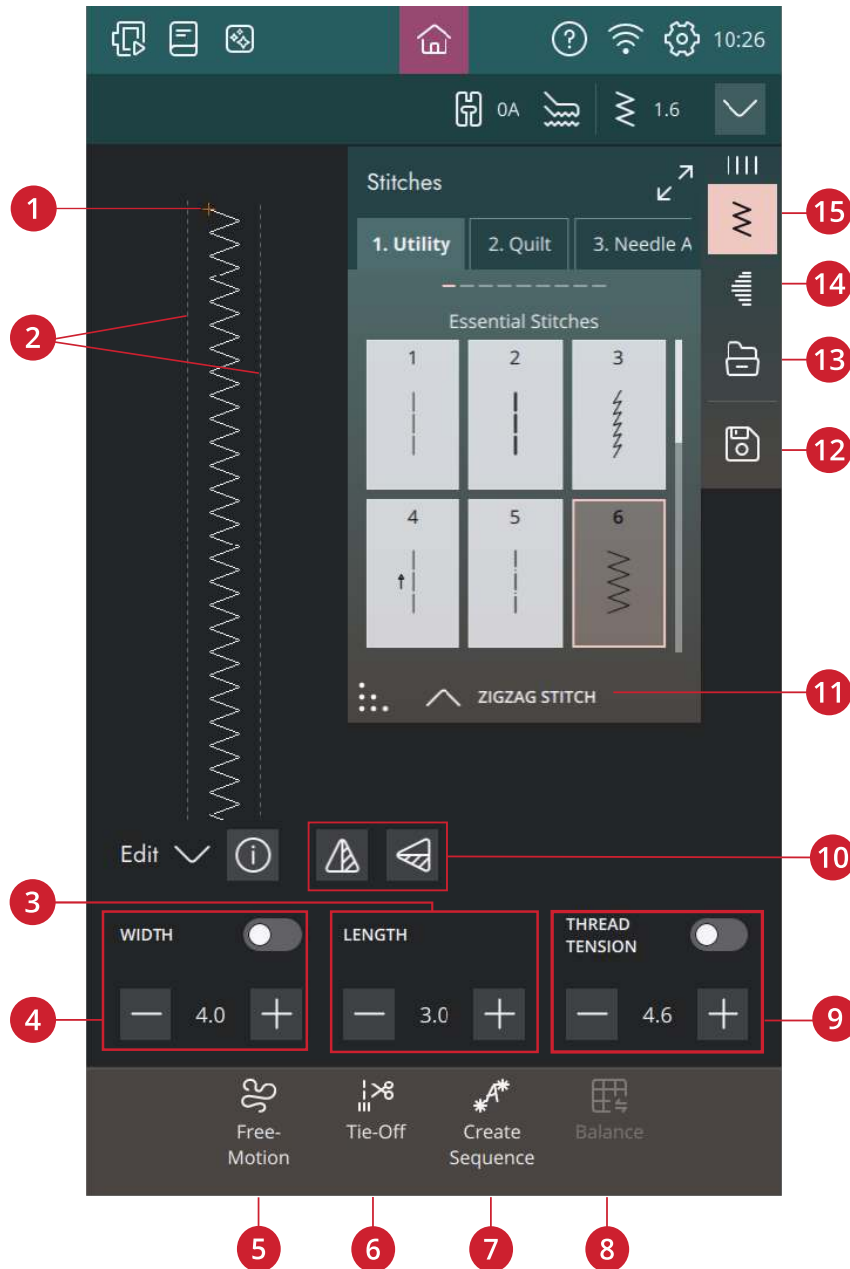
# Sewing Mode – Overview

In sewing mode you can select stitches, adjust and sew them. Your selected stitch will be shown in actual size in the stitch field.

You will see active features and be given recommendations based on selected stitch.

*Note: All symbols and options will not be shown at the same time.*

*Note: All options in the bottom bar menu may not always be visible. The bottom bar menu is dynamic, meaning different buttons will be shown depending on what item is selected.*

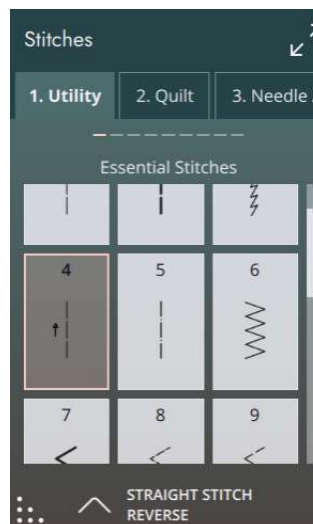


- |                                    |   |                  |
|------------------------------------|---|------------------|
| 1. Stitch start                    | 7. Sequence                               | 12. Save         |
| 2. Maximum stitch width indication | 8. Balance                                | 13. File manager |
| 3. Stitch length/stitch density    | 9. Thread tension/presser foot pressure   | 14. Tapering     |
| 4. Stitch width/stitch positioning | 10. Mirror side to side/mirror end to end | 15. Stitch menu  |
| 5. Free-motion options             | 11. Stitch information                    |                  |
| 6. Tie-off options                 |   |                  |

## Load a Stitch

Touch the stitch menu and select the desired stitch. Available stitch categories are listed horizontally, swipe to see more categories. All categories have sub categories. When you select a stitch, it will automatically be loaded and you get a short description of the selected stitch. The select stitch window can be expanded if you touch and drag the triangle in the lower corner.

From the file manager you can load stitches or sequences that you have saved in your CREATIVATE folder or on a USB device. In file manager you will see all your saved files e.g. stitches, designs and fonts. Learn how to organize your files in [file manager](#).



## Information and Sewing Recommendations

Recommendations are shown in the secondary top bar. Your machine automatically gives you recommendations depending on the selected stitch and current setting.

The following recommendations can be shown:

Presser foot, IDT™ System and stabilizer.



1. *Presser foot recommendation*
2. *IDT™ System recommendation*
3. *Stabilizer recommendation*
4. *Needle recommendation*

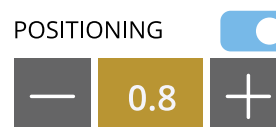
## Stitch Settings

Your machine will set the recommended settings for each selected stitch. You can make your own adjustments to the selected stitch. The changes will only affect the selected stitch and will be reset to default when selecting another stitch or turning your machine off. To save your adjusted stitch, touch [save](#).

The controls available on the screen will change depending on what stitch or sequence is loaded. Some stitches have more than one control, and an alternative switch bar will appear. Touch the alternative switch bar to change to an alternative control for a different stitch setting. Touch it again to change back to the previous control. The different stitch settings are described below.

If you need an explanation of the icons, touch the drop down arrow to open a panel with description of the icons.

*Note: When trying to exceed minimum or maximum settings for width and length, a warning sound will be heard. The default setting is always shown in black numbers.*



Example of stitch setting control

## Stitch Width

Decrease or increase the stitch width using - and + in the control. The number shows stitch width in mm/inch.

Changed stitch position may limit the stitch width adjustments.

## Stitch Positioning

On certain stitches with a width less than 9 mm it is possible to change the stitch position. Use - to move the stitch to the left and + to move the stitch to the right.

The number shows the needle start position in mm in relation to center needle position. The machine has a maximum of 37 needle positions (for a straight stitch).

The stitch position can only be changed to the limit of the maximum stitch width. Changing the stitch positioning will also limit the stitch width adjustments.

## Stitch Length

Decrease or increase the stitch length using - and + in the control. The number shows the set stitch length in mm/inch. If lengthening a zigzag stitch or a decorative stitch, the entire stitch will be stretched out. If lengthening a stitch where the density can be adjusted, the entire stitch will be longer but the density of the satin stitches will remain the same.

## Stitch Density

The stitch density control adjusts the density (the distance between the individual satin stitches that make the entire stitch). The density does not affect the actual length of the entire stitch.

Touch - to decrease the density. Touch + to increase the density. The number shows the distance between satin stitches in mm/inch.

*Tip: Decrease the density to get different visual effects e.g. when using speciality threads.*

## Mirroring

To mirror a stitch or stitch sequence sideways, touch mirror side to side. To mirror a stitch or stitch sequence lengthwise, touch mirror end to end.

*Tip: Use the smart toolbox to open a shortcut for mirroring.*

*Note: Some stitches e.g. buttonholes cannot be mirrored.*



*Mirror side to side/mirror end to end*

## Buttonhole Slit Length

Set the buttonhole slit length by using - to decrease and + to increase when sewing a buttonhole with the Sensormatic Buttonhole Foot.

## Button Stitch Repetition

When sewing a button, you can set the number of stitch repeats. Use the - or + in the control to decrease or increase the number of stitch repeats.

## Adjust Thread Tension

For the best stitch appearance and durability make sure the threads meet evenly between the two fabric layers.

If the bobbin thread is visible on the top side of the fabric, the thread tension is too tight. Reduce the thread tension.

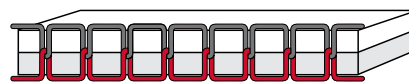
If the upper thread is visible on the back side of the fabric, the thread tension is too loose. Increase the thread tension.

For decorative stitches and buttonholes the upper thread should be visible on the back side of the fabric.

Make a few tests on a scrap piece of the fabric you are going to use and check the tension.

*Note: When changing the value of the thread tension setting, the changes only affect the selected stitch. Your changed settings will be reset to default when selecting another stitch.*

*Tip: Increase the thread tension setting for best results when sewing on denim fabric with thick threads.*



Correct tension



Tension too tight



Tension too loose

## Presser Foot Pressure

Touch + to increase or - to decrease the pressure of the presser foot on the fabric.

## Balance

When sewing on special fabrics or doing a special technique, the balance may need to be adjusted.

Start by sewing the stitch on a piece of scrap fabric. Touch the balance icon. Change the preview on the screen to match your sewn sample by using the + and - in the controls. When you sew again, the balance will be corrected.



Balance

## Free Motion Options

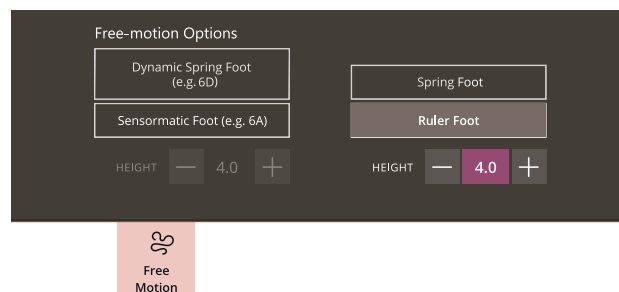
All stitches on your machine can be sewn in free-motion to create unique effects.

Choose between different free-motion options.

For all free-motion sewing the feed teeth needs to be lowered manually and the fabric must be moved manually.

When sewing free motion with a straight stitch, use the optional straight stitch plate for best result.

*Note: Make sure that the IDT™ System is disengaged.*



### **Dynamic Spring Foot (e.g. 6D)**

The Dynamic Spring Foot measures the fabric thickness and will raise and lower with each stitch to hold the fabric on the needle plate while the stitch is being formed.

*Note: The Dynamic Spring Foot 6D is recommended for use with straight stitch. Activate Stitch Width Safety in Settings.*

### **Sensormatic Foot (e.g. 6A)**

Activate to set the machine in Sensormatic mode for presser foot 6A or some other sensormatic foot, e.g yarn couching etc.

When sewing free-motion at low speed the presser foot will raise and lower with each stitch to hold the fabric on the needle plate while the stitch is being formed. At higher speed, the presser foot floats over the fabric while sewing.

Skipped stitches can occur if your fabric moves up and down with the needle as you are stitching. Lowering the presser foot height will reduce the space between the presser foot and the fabric and eliminate the skipped stitches.

You can increase or decrease the presser foot height.

*Note: Be careful not to reduce the presser foot height too much. The fabric must still move freely under the presser foot.*

### **Spring Foot**

A spring foot will raise and lower with each stitch to hold the fabric on the needle plate while the stitch is being formed.

*Note: Optional spring feet can be purchased at your local authorized PFAFF® dealer.*



*Do not use a spring foot if Sensormatic Free-Motion is activated, since the needle might damage the presser foot.*

### **Ruler Foot**

Select ruler foot to use the optional free motion ruler foot.

The presser foot floats over the fabric while sewing. You can increase or decrease the presser foot height.

## **Tie-Off Options**

These options allow you program tie-off at the beginning and at the end of a stitch. It is also possible to program thread cut at the end of a stitch.

When touching the tie-off icon, three options open to let you select different functions; tie-off beginning, tie-off end and thread cut.

Your settings are shown under active features.

*Note: For immediate tie-off, use the tie-off button, found on the front of the machine.*



### Sewing with Tie-Off Options selected

- The tie-off beginning will be performed as soon as you start to sew.
- Press the stop button to perform tie-off end. The action indicator lamp will be lit to indicate that the machine will finish the stitch and do the tie-off.
- When a thread cut is programmed, the machine will automatically cut the threads after performing a stitch. The needle and presser foot will raise.



*Tie-off beginning/tie-off end*

### Save Stitch

You can choose to save your file to the CREATIVATE folder or to a USB device (only visible as a selection when an USB device is connected). Previously saved designs, stitches, sequences and/or fonts are shown.

Read about organizing your saved stitches in [File Manager](#).

When saving current state, adjustments are stored and you can continue later by touching “Continue from Saved State” at the home screen.

*Note: You can only have one current state saved at a time.*



*Save button*

# Sewing Techniques

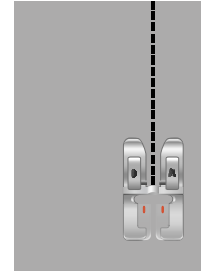
In Learning Center you can find all tutorials for the sewing techniques mentioned below.

In basic sewing techniques you will find the most commonly used sewing techniques.

## Seam

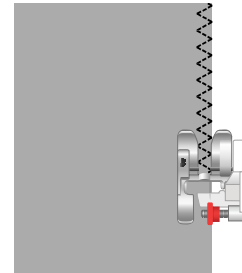
A seam sews two pieces of fabric together with a seam allowance that will usually be pressed open. In most cases, edges of the seam allowance are finished with an overcast stitch before sewing the seam.

Seams in stretch fabric must stretch with the fabric. The stretch stitch makes a stretchy seam that is suitable for sewing together pieces of light stretch fabric.



## Overcast

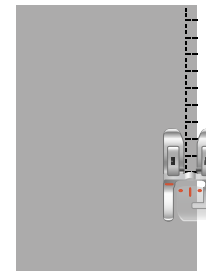
Overcast fabric edges to prevent fraying and to help them lay flat. It is easier to overcast before the garment is sewn together.



## Seam and Overcast

The seam/overcast stitch sews the seam and overcasts the edges all at one time. The seam/overcast technique is perfect for stitching ribbed neckbands and cuffs.

There are a number of different seam/overcast stitches in your machine.



## Baste

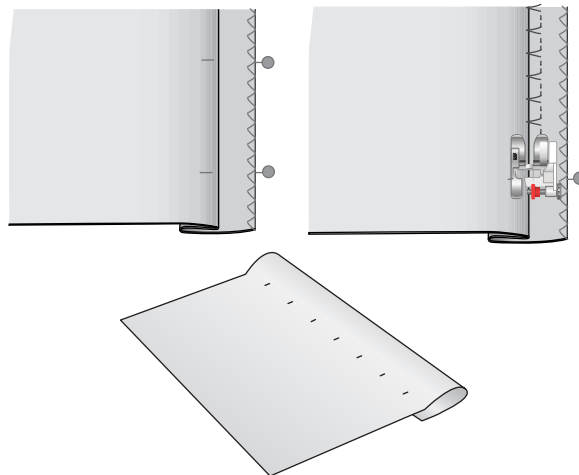
Use this stitch to temporarily sew two pieces of fabric together for fitting garment or for marking purposes.

A longer stitch length makes it easy to remove the stitches.



## Blind Hem

The blind hem creates an invisible hem on garments. There are two types of blind hems; one is recommended for medium to heavy fabrics, the other for stretch. The blind hem is not suggested for light weight fabric, leather and vinyl.



## Hem

Hem is a garment finishing method, where the edge of a piece of cloth is folded and sewn to prevent unravelling of the fabric.

## Buttonholes

Fabric should be interfaced and/or stabilized where buttonholes are to be sewn.

Sew a test buttonhole on a fabric scrap to verify the desired length of the buttonhole.

Measure the desired distance from the fabric edge and then add the length of your buttonhole.

When sewing, place the finished fabric edge with stabilizer underneath the presser foot, facing away from you.

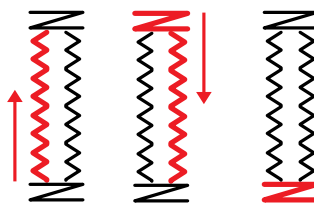
Use the marking on your fabric to position the starting point.

### Manual Buttonhole

Manual buttonholes are recommended for woven heavy fabric. To sew a manual buttonhole, use the [5M - Manual Buttonhole Foot](#).

1. Sew the first column as long as you want the buttonhole to be.
2. Touch the [reverse button](#). The machine sews the bartack and the second column.
3. When the columns are aligned, touch the [reverse button](#) to sew the second bartack.

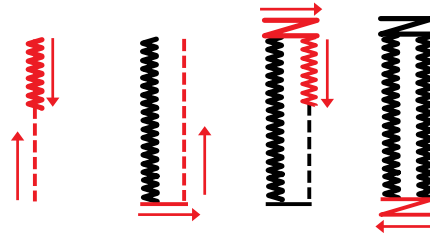
You can use the repeat buttonhole icon to sew identical copies. The repeat buttonhole icon is only visible when sewing a buttonhole manually. Deselect to cancel the function.



*Sewing direction for buttonholes without satin stitches or satin stitch buttonholes sewn with presser foot 5M.*

## Automatic Buttonhole

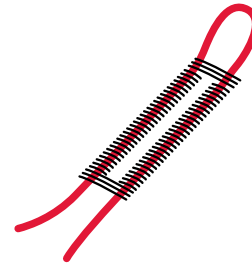
When sewing buttonholes on woven light, woven medium, woven heavy, stretch light or vinyl fabric you can use the [Sensormatic Buttonhole Foot](#). The Sensormatic Buttonhole Foot will sew automatic buttonholes. Read about how to [attach the Sensormatic Buttonhole Foot](#).



Sewing direction for satin stitch buttonholes sewn with the Sensormatic Buttonhole Foot.

## Corded Buttonhole

Corded buttonholes are recommended when sewing buttonholes on stretch medium or stretch heavy fabric. Use gimp threads for a more stable durable and professional appearance. Use pearl cotton or a regular gimp thread. Attach the [5M - Manual Buttonhole Foot](#) and use the finger on the back of the foot for holding the cord when sewing.



## Programmable Button Sew On

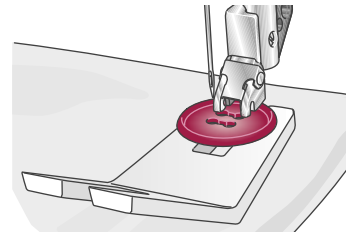
Sew buttons, snaps, hooks and eyes quickly with your machine. Select sew on button in the Learning Center feature.

If needed, increase or decrease the number of stitches that will fasten the button on the fabric, using stitch repeats.

*Note: Place the thin end of the multipurpose tool under the button when sewing on light fabrics. Use the thick end for heavier fabrics. Hold in place on the fabric with transparent tape.*

*Note: The recommended width is set for most buttons. If you sew a tiny button or a very large coat button, decrease (-) or increase (+) the stitch width until the swing of the needle sews in the holes of the button or snap. A tip is to use the mirror side to side function to easier set the distance between the holes.*

*Note: An optional button foot for sewing on buttons can be purchased at your local authorized dealer.*



## Tapering Stitches

The tapering menu will be visible when a stitch that can be tapered is selected. Touch the tapering menu to select from different angles for beginning and end tapers. The machine will sew the beginning tapered point and then continue with the selected stitch. When the desired length has been sewn, touch the reverse button. The stitch will taper to the end.

Select taper “off” to remove any tapering at the beginning or end of the stitch. If you select taper “off” on both the beginning and end, the stitch will be a regular stitch without tapering.



## Special Stitches For Optional Presser Feet

Includes special stitches like candlewicking and edge stitches. These techniques may require special presser feet and accessories. This is indicated by the optional presser foot icon on the screen.

*Tip: Detailed information on the current selected stitch is shown in the stitch information.*



## Exclusive Sewing Techniques

### Ribbon Stitches

Add dimensional elements to your decorative stitching with the beautiful single and triple Ribbon stitches in your machine. Narrow ribbons are woven into these special stitches as you sew. For best results, use stabilizer, appropriate for your fabric type and weight, under your fabric to support your stitching.



### Stacking Stitches

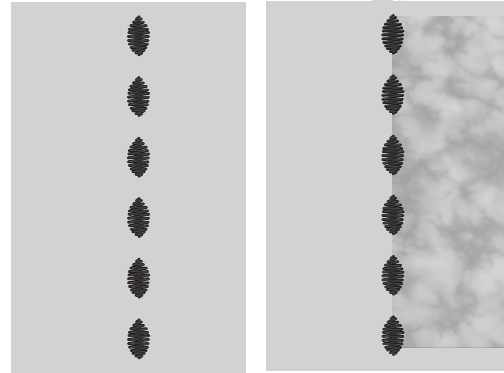
Sew beautiful decorations in two colors using the Stacking stitches. The Stacking stitches consist of pairs of matching stitches that are designed to be sewn on top of each other.



## Floating Stitches

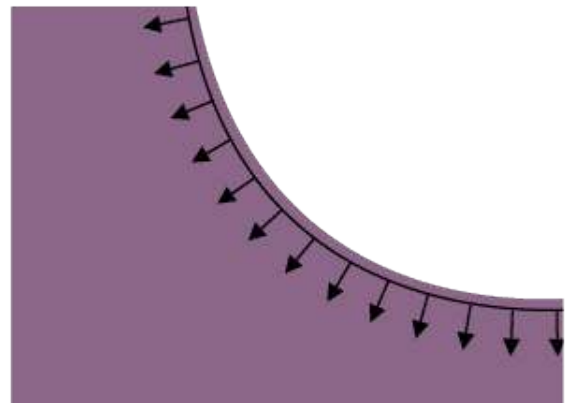
Floating stitches create a special effect where the connecting stitches are invisible. There are two different ways to use this technique; for the first technique, attach the optional edge joining foot, place a folded fabric centered on a piece of stabilizer and sew along the fold. The second technique is to sew two pieces of fabric together.

Once finished, unfold the fabric, giving it a good tug to reveal the decorative part of the stitch to the front.



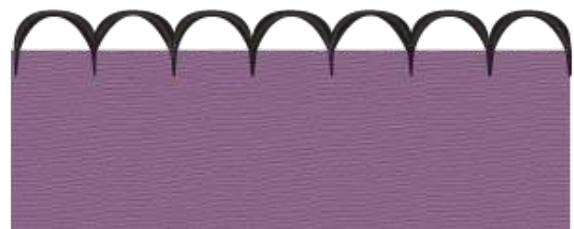
## Radiant Stitches

Radiant stitches are an exclusive PFAFF® sewing technique. These stitches have a built in stop allowing you to sew a line of stitches in any shape. Make beautiful necklines or pocketlines on garments.



## Lace Edge Stitches

Sew beautiful Lace Edge stitches on your projects using the Bi-Level Guide Foot and water soluble stabilizer.



# Pop-up Messages in Sewing

To make your sewing experience as convenient as possible, your machine will sometimes communicate with you using pop-up messages. Those messages can contain warnings, recommendations, information or prompt you to perform an action.

Below, some of the messages that can appear are listed and explained.

## **Bobbin Thread Low**

When the bobbin thread is running low, a pop-up message appears giving you notice that you will soon need to replace the bobbin. If you want to continue sewing without replacing the bobbin, touch the foot control and do not close the pop-up.

When the bobbin is replaced with a full one, touch OK in the pop-up.

## **Stitch Width Safety**

When stitch width safety is activated, the following pop-up message appears when you choose a stitch not suitable for stitch width safety.

## **Cannot Use the Needle Threader**

If using a twin needle, touch OK and thread it manually. If using a regular needle, touch OK and deselect twin needle in the settings. Use the automatic needle threader again.

## **Remove Sensormatic Buttonhole Foot**

The Sensormatic Buttonhole Foot needs to be removed before doing any of the following:

- Sewing a stitch that is not a buttonhole.
- Sewing a buttonhole that can not be sewn with the Sensormatic Buttonhole Foot.
- Sewing an adjusted buttonhole saved without the Sensormatic Buttonhole Foot in the Vault folder.

## **Check Upper Thread**

The machine stops automatically if the upper thread runs out or breaks. Re-thread the upper thread, close the pop-up message and start sewing.

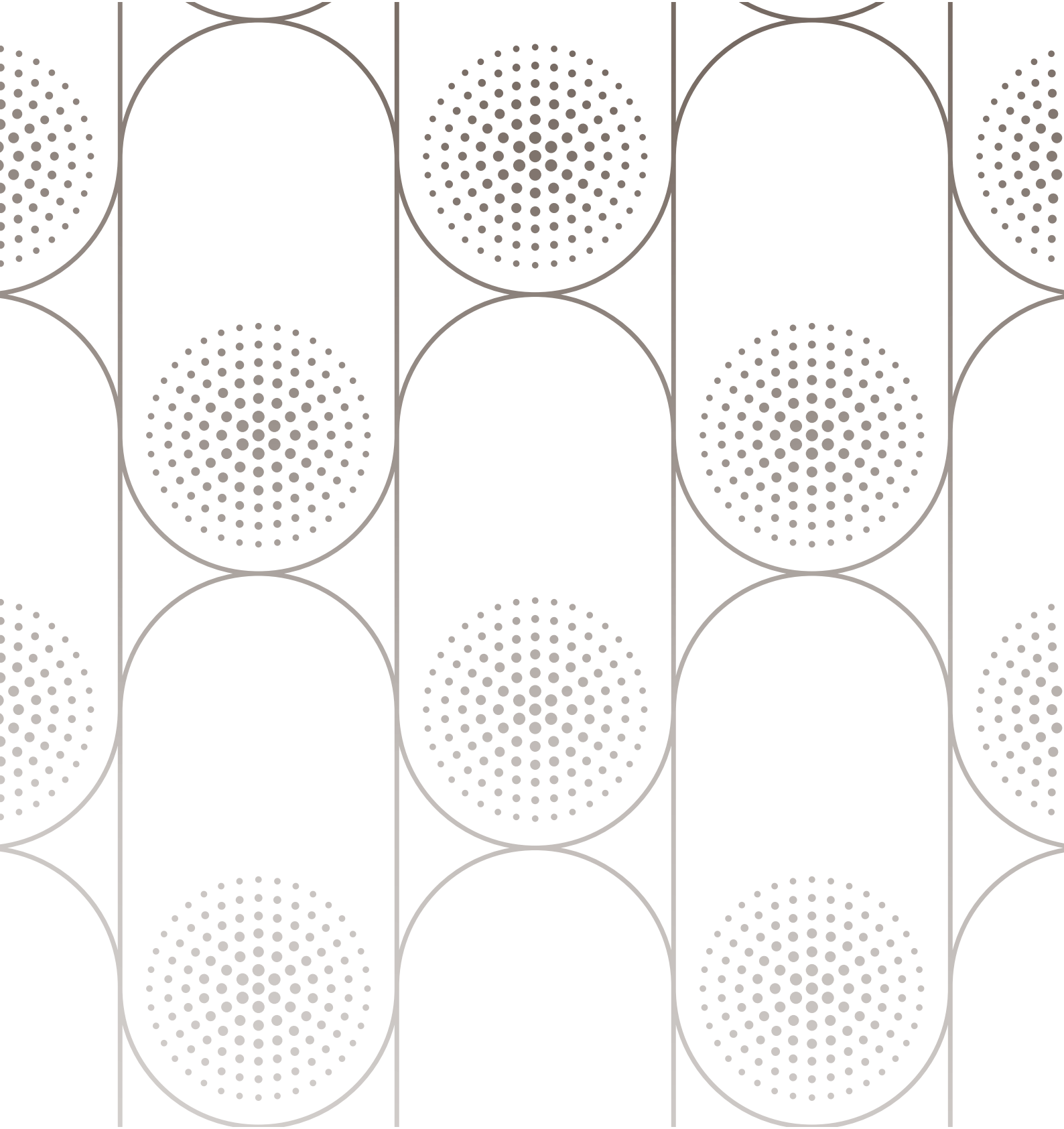
## **Attention!**

If the machine stops and this pop-up appears on the screen you need to stop sewing. Wait a moment and touch OK when it is enabled. Check the needle size and condition. Check for correct threading.

## **Twin Needle**

The following pop-up message appears when you choose a stitch not suitable for twin needle.





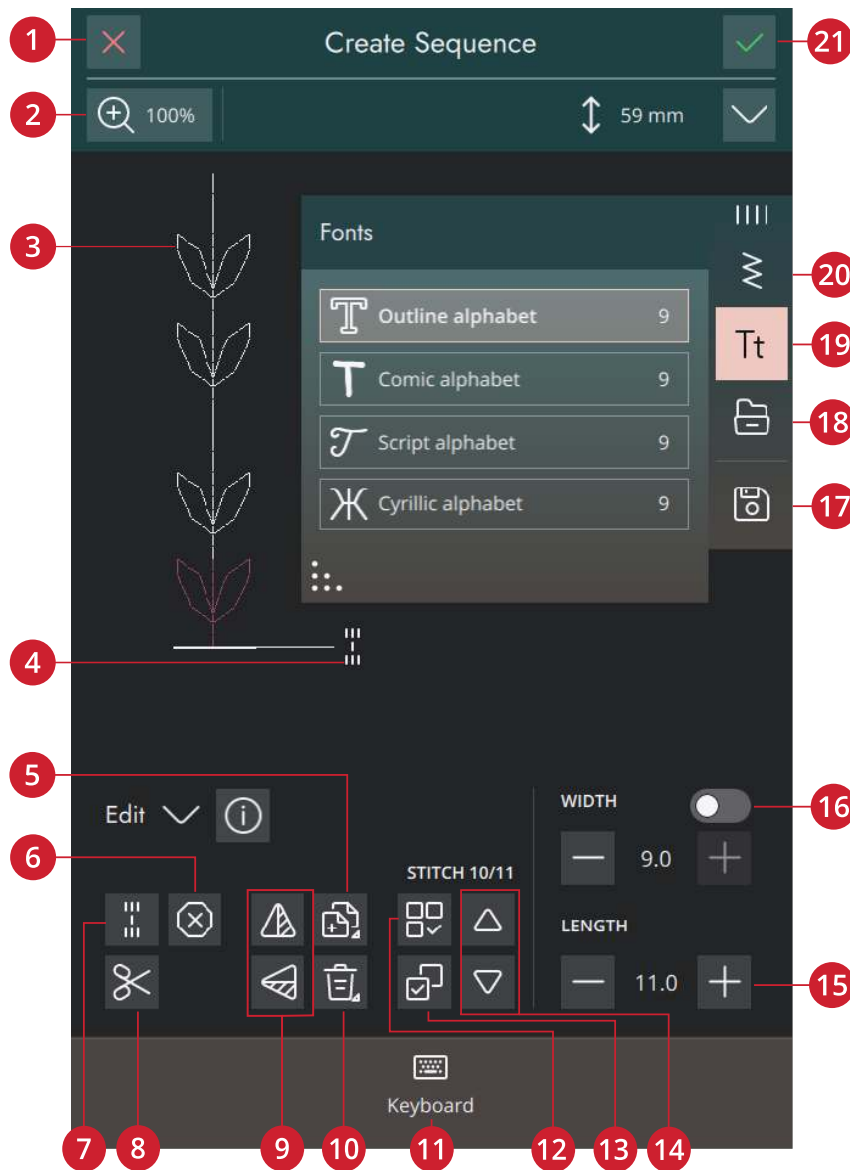
Sequence

# Sequence – Overview

In sequence, you can create and adjust a sequence of stitches. Combine various 9mm stitches and stitch fonts. You can create sequences up to approximately 500mm (20") long. You can see how long your actual sequence is in the information area.



*Touch to open Sequence*



- |                            |  |                                     |
|----------------------------|--|-------------------------------------|
| 1. Cancel                  | 9. Mirror side to side/mirror end to end | 16. Stitch width/stitch positioning |
| 2. Zoom options            | 10. Delete                               | 17. Save                            |
| 3. Sequence in actual size | 11. Keyboard                             | 18. File manager                    |
| 4. Inserted commands       | 12. Select all                           | 19. Font menu                       |
| 5. Duplicate               | 13. Select multiple                      | 20. Stitch menu                     |
| 6. Stop command            | 14. Step between stitches                | 21. OK                              |
| 7. Tie-off command         | 15. Stitch length/stitch density         |                                     |
| 8. Thread cut command      |  |                                     |

## Getting Started with Sequence

To start creating a sequence, select a desired stitch and/or letter and add it to the sequence. The active position is marked by a cursor and the selected stitch or letter will be highlighted. Only the selected stitch/stitches can be adjusted. Inserted stitches will be placed at the cursor position.

Touch select multiple to select several stitches in a sequence. Touch select all to select all stitches.

Move the cursor through the sequence using the arrows. The number of selected stitch and total number of stitches in the sequence are shown between the arrows. When sewing a sequence it is possible to start sewing anywhere in the sequence. Use the arrows to step through the sequence.

*Note: Buttonholes and 4-way stitches cannot be programmed.*

## Edit and Adjust Your Sequence

### Adjust Stitch Settings

You can adjust the length and width of the stitch or change the density or position of the selected stitch. The adjustments work just like in sewing mode.

### Duplicate

To duplicate a stitch, move the cursor to the stitch you want to duplicate. Touch the duplicate icon to copy the selected stitch.

*Note: If you make adjustments on the stitch before duplicating, the copied stitch includes the adjustments.*

Touch & hold to get a pop-up where you can enter the exact number of copies you want to insert.

### Delete

If you want to delete a stitch or letter, touch the stitch or move the cursor to the stitch or letter you want to delete and touch delete. Touch & hold to delete the whole sequence.

## Sequence Commands

You can insert tie-off, stop and thread cut commands into the sequence. These commands will be included in the sequence and will always be performed when sewing it.

Use the tie-off command if you want a secure tie-off. You can insert the tie-off commands anywhere in the sequence.

Insert a stop command if you want the machine to stop. This is useful for example at the end of the sequence if you want to sew it only once or to create a sequence in several rows.

Insert a thread cut command if you want the machine to tie-off and cut the threads and raise the presser foot.

Move the cursor to the position where you want to add a command. Select it and an icon will be added into the sequence. This confirms that the command is inserted and it also shows where the command will be performed in the sequence.

*Note: The commands will appear on the screen in the order you program them.*

## Saving a Sequence

To save your file, touch save. You can choose to save the file to the Vault folder or to a USB device. Previously saved designs, stitches, sequences and/or fonts are shown.



Save button

Learn how to organize your saved files in [File Manager](#).

## Sew Your Sequence

To sew your stitch sequence, load it to sewing mode by touching OK in sequence.

## Adjust the Entire Sequence

To adjust the entire sequence, enter sewing mode by touching OK. Adjustments made in sewing mode will affect the entire sequence. Read about [edit stitch](#).

## Using Sequence in Sewing Mode

In sewing mode it is possible to start sewing anywhere in the sequence. Use the arrows to step through the sequence. In sewing mode you can edit your entire sequence.

If you are in sewing mode and want to edit a stitch in the sequence, touch “edit in sequence” and the stitch will open in sequence. Make your adjustments and touch OK to load it to sewing mode again. Touch cancel to undo.

*Note: Touch and hold in the stitch field area to open the smart toolbox to access edit in sequence.*

## Pop-up Messages in Sequence

To make your sewing experience as convenient as possible, your machine sometimes communicate with you using pop-up messages. Those messages can contain warnings, recommendations, information or prompt you to perform an action.

Below, some of the messages that can appear are listed and explained.

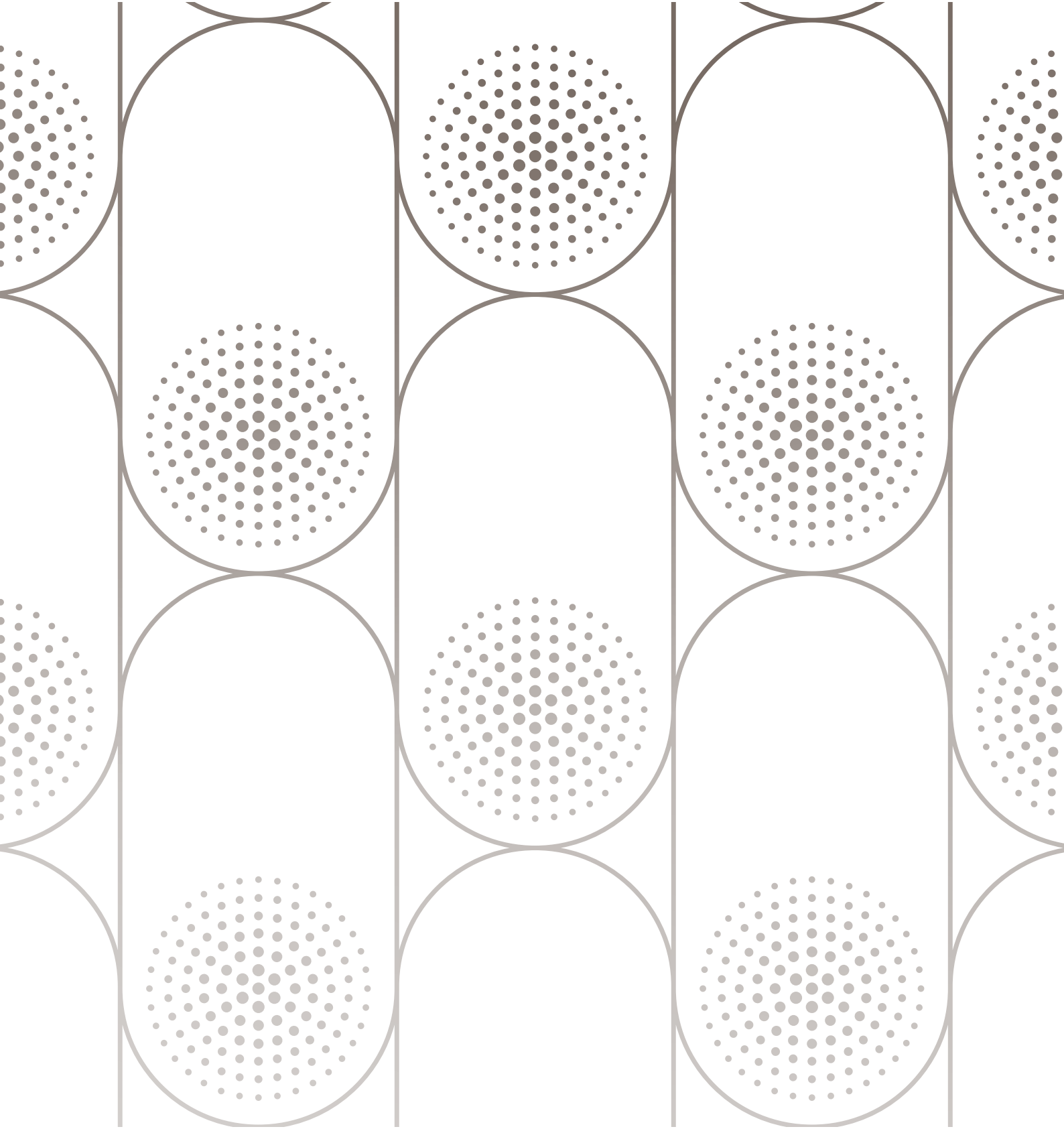
### **Stitch Cannot be Added in Sequence**

Some stitches are not possible to insert in a stitch sequence, for example buttonholes and special stitch menus such as 4-way stitches.

### **Maximum Number of Stitches Has Been Reached**

The stitch you are trying to add will make the stitch sequence too long. Your stitch sequence can be up to approximately 500 mm (20”) long and contain up to 199 stitches and commands. If the stitch sequence exceeds the maximum length this pop-up message will appear.



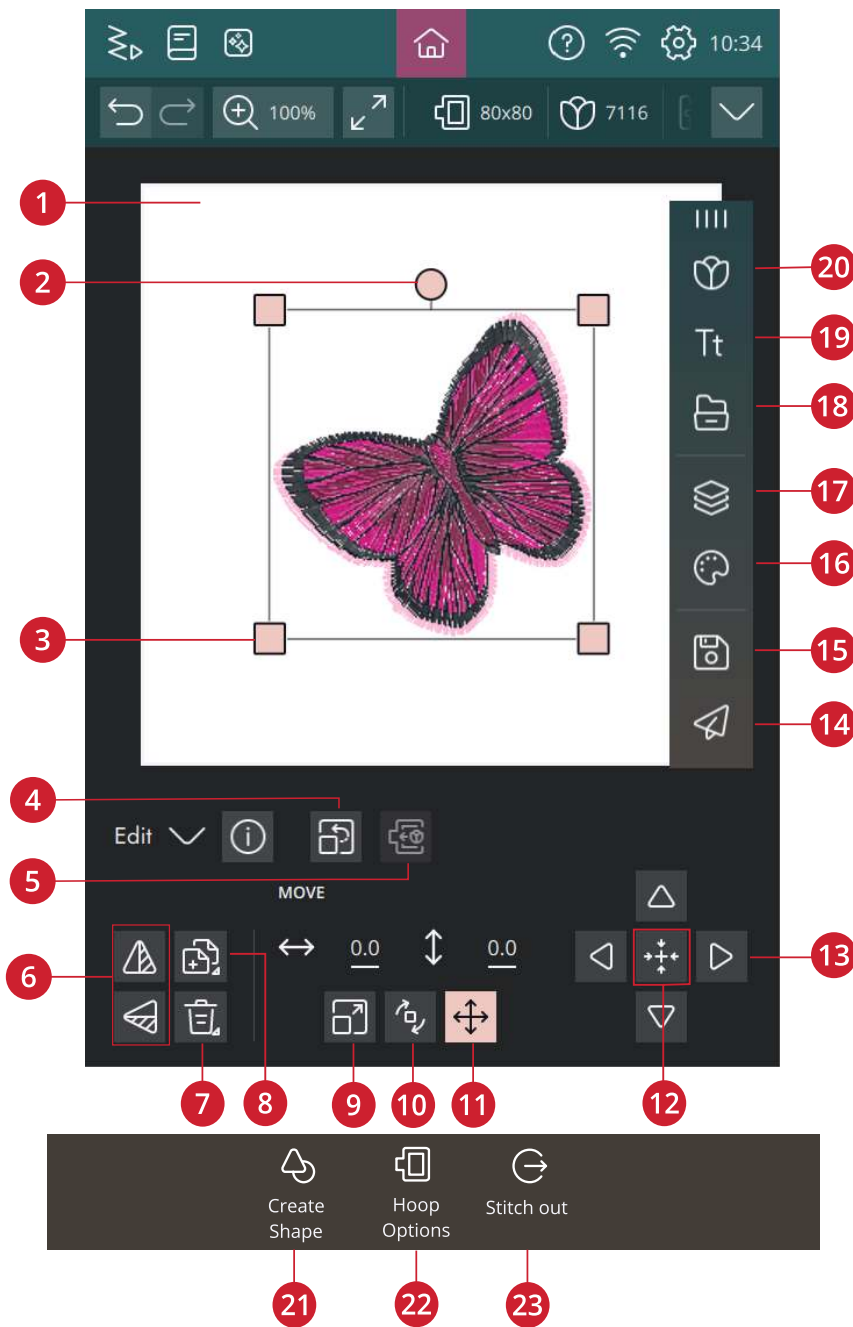


Embroidery Edit

# Embroidery Edit — Overview

In embroidery edit you can adjust, combine, save and delete designs, stitches and fonts.

You can edit your design combinations without having the embroidery unit connected to your machine. The loaded design(s) are shown in the embroidery area.



- |  |                            |                                 |
|--|----------------------------|---------------------------------|
| 1. Embroidery area                       | 9. Scale                   | 17. <u>Layers</u>               |
| 2. <u>Rotate handle</u>                  | 10. Rotate                 | 18. File manager                |
| 3. <u>Scale handles</u>                  | 11. Move                   | 19. Font menu                   |
| 4. Original size                         | 12. Move to center         | 20. Design menu                 |
| 5. Move into hoop                        | 13. Fine tuning controls   | 21. <u>Create shape</u>         |
| 6. Mirror side to side/mirror end to end | 14. CREATIVATE send design | 22. <u>Hoop options</u>         |
| 7. Delete                                | 15. Save                   | 23. Go to embroidery stitch-out |
| 8. Duplicate                             | 16. <u>Edit colors</u>     |                                 |

*Note: All options in the bottom bar menu may not always be visible. The bottom bar menu is dynamic, meaning different buttons will be shown depending on what item is selected.*

## Load a Design

Touch the design menu and select a design. Available design categories are listed horizontally, swipe to see more categories. All available designs within the same category are listed vertically, swipe to see more designs. Touch & hold on a design to load it to embroidery edit and place it where you like. Touch once to select a design and touch again to load it to embroidery edit, it will be placed in the center of the hoop.

The entire menu window can be expanded if you touch and drag the triangle icon in the corner.

When a design is selected, you get a short description about the design.



## CREATIVATE Design Catalog

Browse thousands of ready-made designs. Visit [CREATIVATE.com](https://creativate.com) to read more about this service.

If WiFi is connected and you have logged in to your CREATIVATE account, the CREATIVATE Design Catalog will be visible in your machine.

Use the search function to find different types of designs. There are several ways to filter and sort designs. Filter designs by size by changing the maximum width and/or maximum height. Designs you've marked as favorite designs in CREATIVATE can also be filtered in your machine if you touch the favorite designs button

You can also sort the designs by color block count, size (area) or stitch count. Touch the sort from button to sort from highest to lowest value. Touch the sort from button again to sort from lowest to highest value instead.

To remove all applied filters and clear your search, touch reset.

If you haven't started a subscription yet, the menu will still be visible in your machine, but no designs in this menu will be shown.

## Load a Font

Text can be created with embroidery fonts and stitch fonts. If you select a font the embroidery text keyboard will open.

Read about [Embroidery Text](#).



## Load Saved Files

Load designs, stitches or sequences that you have saved in your CREATIVATE folder or on a USB device from file manager.

It is possible to load previously stored single stitch and tapering programs into embroidery edit to stitch out in the hoop.



## Edit Colors

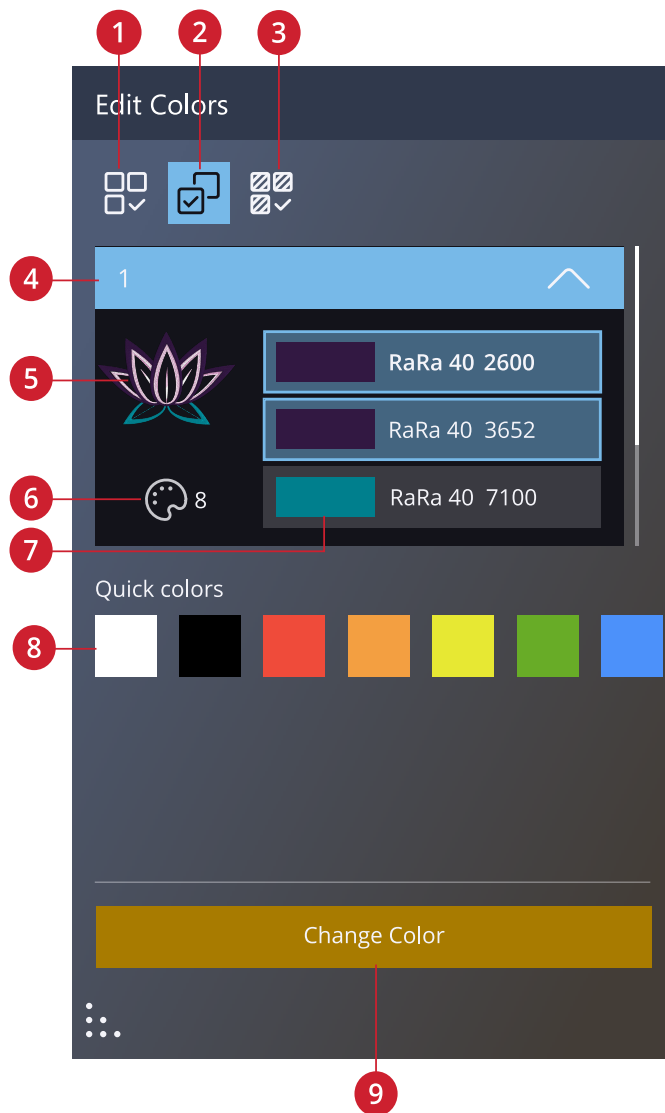
To change the thread color on more than one color block at a time, touch the select multiple icon, then touch the color blocks to select the ones you want to change.

Touch the select all icon to make changes to all color blocks at one time. The select multiple icon is automatically selected.

Use the select same color icon to change all the same color blocks at one time. Touch the color block you want to change, then touch the select same color icon to select all identical color blocks in the list. The select multiple icon is automatically selected. If two or more different color blocks are selected, select same color will select all identical color blocks of all of the selected colors.

Selected color blocks are highlighted. Color blocks that are not selected will be greyed out in the embroidery area on the screen to make it easy to see which color blocks in the design will be changed.

Touch the selected color block to deselect and show all color blocks in the embroidery area again.



1. Select all colors
2. Select multiple colors
3. Select same colors
4. Color blocks for design number 1
5. Design thumbnail
6. Number of colors in the design
7. Color block and color number
8. Quick colors
9. Change color

## Change Color

You can edit the colors in your design. Each color block is represented in a color block list next to the design thumbnail image. Touch the color that corresponds to the color block that you want to change.

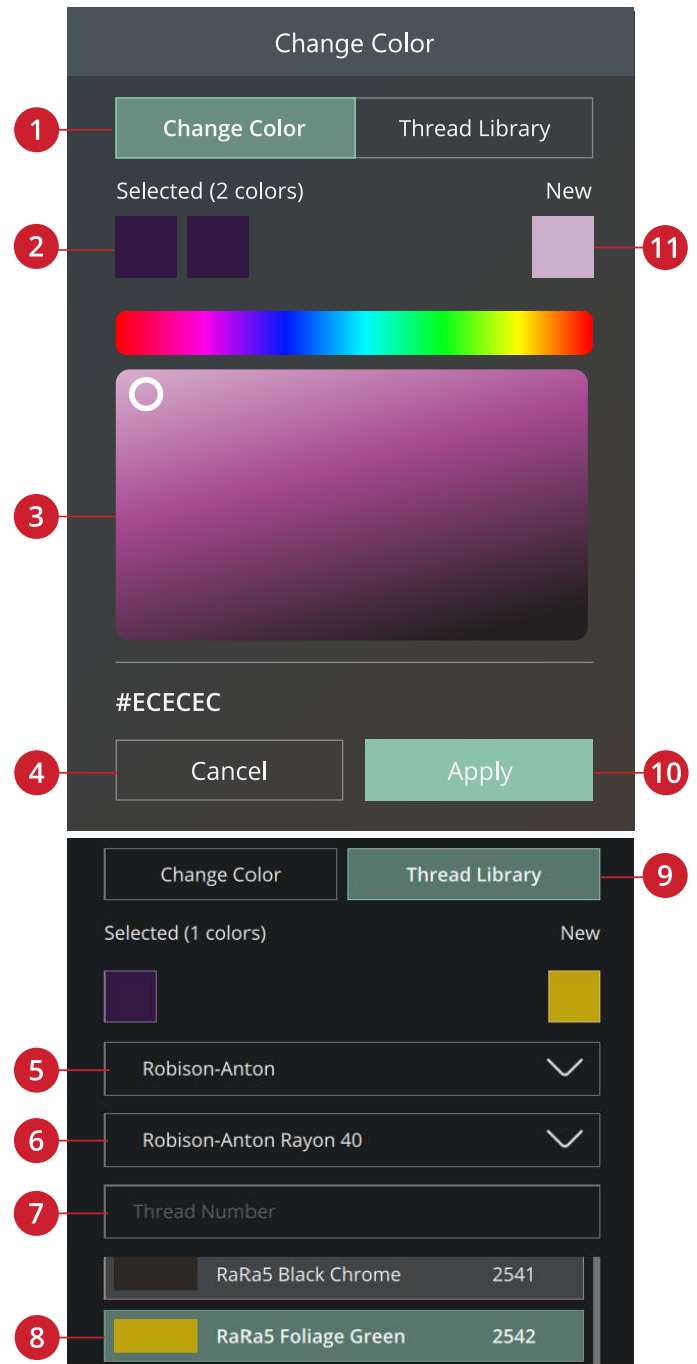
There are several ways to change the color of a color block. Select the color block you want to edit and then touch change color.

Use the color picker to select the color you prefer. The currently selected color is shown in the color circle.

You can also select a color by choosing from a thread color list or by entering a specific thread color number.

If you regret a color selection, touch cancel and you will return to embroidery edit without changing color.

When you are satisfied with your color selection, touch apply to confirm.



1. Change color
2. Selected color
3. Color picker
4. Cancel
5. Thread manufacturer
6. Thread manufacturer series
7. Thread number
8. New color block color
9. Thread library
10. Apply
11. New color

## Layers

You can arrange the stitch-out order of loaded designs.

To select one design, simply touch the design on the screen, or in the layers window. The selected design will be surrounded by a selection frame in the embroidery area and indicated with a different background color in the list.



## Select Designs/Change Stitch-Out Order

The designs in layers window are numbered.

By default, the designs will be stitched out in the order they are loaded to the embroidery area.

To change stitch-out order, touch & hold on the layer and then drag and drop it at another place in the list.



## Select All

If you want to select all designs, simply touch the select all icon. All designs on your screen will be surrounded by design selection frames. You can now make changes to all of the selected designs. If you want to combine all the designs into one design, touch the group/ungroup icon.

When you touch the select all icon it activates the select multiple icon so you can mark/unmark any design.



Select All

## Select Multiple

Select multiple allows you to select two or more of the designs on your screen at the same time. Touch the select multiple icon and then touch the designs on the screen you want to select. Alternatively select the thumbnail pictures in the layers window. A design selection frame will surround the selected designs; both the thumbnail pictures in the layers window and the designs in the embroidery area. To deselect, touch the designs again in the embroidery area or the thumbnails and the design selection frame will disappear.



Select Multiple

## Edit Functions

You can move, rotate, scale and pan directly on the multi-touch screen using your fingers.

Touch the selected design with your finger to position it anywhere in the embroidery area. Use the fine tuning controls to fine tune.

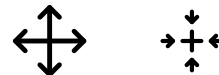
The fine tuning controls varies in appearance depending on which function it is used for.

## Move

Touch and move a selected design with your finger to position it anywhere in the embroidery area.

You can also touch the move icon and use the arrows to adjust the position of the selected design(s). The numbers above the arrows show the horizontal and vertical distance from the center of the hoop for the selected design(s).

Touch the move to center icon to position the selected design(s) in the center of the hoop.



*Move/move to center*

## Rotate

Rotate the selected design(s) by touching the rotate handle located in the center of the top of the design selection frame and move your finger on the screen.

You can also touch the rotate icon and use the arrows to adjust the rotation of the selected design(s). Each touch on the 90 degrees icon rotates the selected design(s) 90 degrees clockwise. The number shows, in degrees, the current rotation angle.



*Rotate*

## Scale

With the scale function, you can increase or decrease the size of the selected design(s) +/- 20% without changing the number of stitches.

Scale the selected design(s) by touching one of the scale handles in the corners of the design selection frame and move your finger on the screen. When scaling a design the original size icon will be enabled. Touch the icon and the design will return to the original size.

You can also touch the scale icon and use the arrows to adjust the size of the selected design(s). The numbers shows current width and height.

By default the proportions are locked. This is indicated with a closed padlock in the center of the fine tuning controls. Touch the padlock in the center of the fine tuning controls to unlock and activate individual scaling of width and height.



*Scale*



*Original size*



*Lock/unlock*

## Duplicate/Multi Duplicate

Select duplicate to make a copy of your selected design (s).

Touch & hold on the duplicate icon to open a keypad and enter desired number of copies you want to add.



## Delete/Delete All

Touch the delete icon, and the selected design(s) will be deleted from the embroidery area. If more than one design is selected, a pop-up message will appear. Touch OK to confirm to delete selected designs.



If you touch & hold on the delete icon a pop-up will appear to ask if you want to delete all loaded designs from the embroidery area. Touch OK in the pop-up message to confirm.

## Mirroring

To mirror a design sideways, select mirror side to side.  
To mirror a design lengthwise, select mirror end to end.



*Mirror side to side/mirror end to end*

## Move into Hoop

A red frame will surround the embroidery area if a design is placed outside the hoop area. Select move into hoop to move any design that is outside the hoop area into the hoop area. The design will be placed at the outermost edge of the hoop.



## Undo/Redo

Touch the arrow pointing left to undo your latest design adjustment. Touch repeatedly to step back through your adjustments.



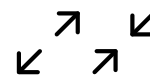
*Undo/redo*

Touch the arrow pointing right to redo your latest design adjustment. Touch repeatedly to step forward through your adjustments. Redo is only activated when undo has been touched.

*Note: Not all adjustments can be undone. They will be greyed out if undo/redo are not possible.*

## Full Screen

You can get a full screen view to easier view the work area.



*Maximize/minimize full screen view*

## Pan

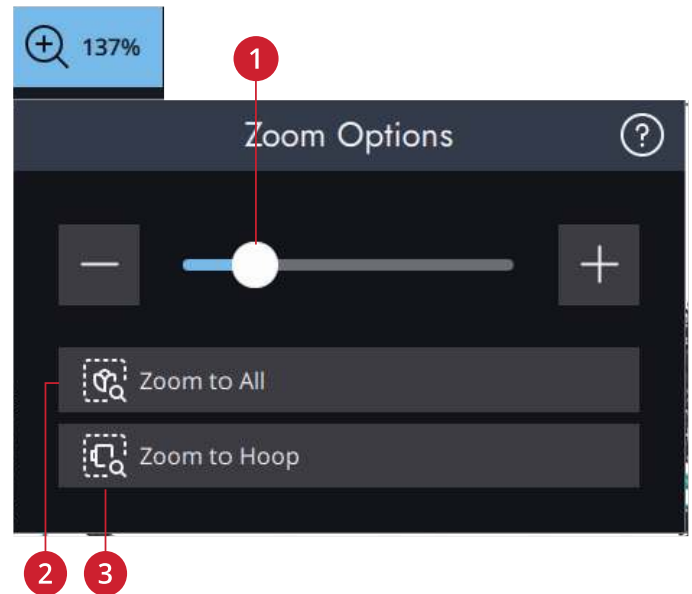
To pan the embroidery area, touch anywhere outside the loaded design(s) and move your finger.

To return to centered view of the hoop, touch zoom to hoop.

## Zoom Options

Zoom to all will show all the design(s) in the embroidery combination. Zoom to hoop will adjust the embroidery area to fit the selected hoop.

Use the zoom slider and move to the right to zoom in and to the left to zoom out. The percentage of magnification will be shown above the slider.



1. Zoom slider
2. Zoom to all
3. Zoom to hoop

## Hoop Options

In hoop options you can change the hoop size.

### Select Hoop

A list is shown with hoop choices, including hoops that are available to purchase from your authorized PFAFF® retailer.

Touch one of the hoops in the hoop size list to select the correct hoop size.

*Note: You can select a specific default hoop size in settings. The machine will then always select this hoop when loading a design, independent of the design size.*



## CREATIVATE Send Design

Send selected embroidery designs directly to other CREATIVATE enabled devices. Choose any of the available devices by touching it. The pop-up closes and the selected design(s) are sent.

*Note: You can only send designs to devices connected to the same CREATIVATE account.*



## Embroidery Text

To create a text, start by selecting an embroidery font. Use the keyboard to write your text and touch OK when finished to close the keyboard. If you want to adjust an existing text in embroidery edit, select the text design, touch & hold on the embroidery text to open the smart toolbox and select edit embroidery text.

### Create a Text

Use the keyboard and touch the letters you want to add to the text. The text is shown in the embroidery area and in the text area above the keyboard.

You can change the font and the size of the entire text by touching another embroidery font in the font menu. The text that is written will change to the new font and/or font size in the embroidery area.

### Add a Letter

Use the cursor arrows to move the cursor to where you want to add a letter into a text. Touch the letter and it will be inserted at the cursor position. You can also touch with your finger in the text area to move the cursor.

### Delete a Letter

To delete a letter, place the cursor after the letter to be deleted. Touch the delete icon. If you want to delete all text that is written, touch & hold the delete icon.

You can also touch & hold in the embroidery area to open the smart toolbox and select delete or delete all.

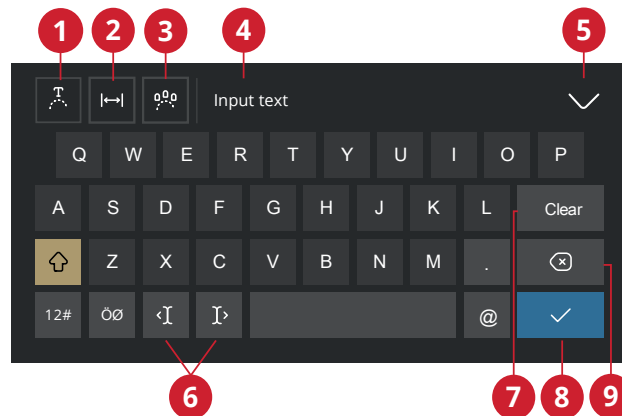
## Text Shaping

You can shape your written text with different shaping functions.

### Select Text Shape

Touch the select text shape icon to open and select a shape line. Touch a shape line and your text will follow the shape line on the screen. The arrow indicates the direction your text will follow when adding letters to the shape line.

To change the size of the shape, touch one of the scale handles in the corners of the design selection frame and drag your finger on the screen.



1. Select text shape
2. Select text spacing
3. Select letter angle
4. Text area
5. Close the keyboard
6. Cursor arrows
7. Clear
8. Done
9. Delete

### **Select Spacing**

Touch the select spacing icon to open options for spacing your text along the shape line: evenly spaced, left justified, centered or right justified. Evenly spaced will place the text evenly along the shape line with an equal distance between all letters. If you choose left justified the text will begin loading to the left. Centered will center the text on the shape line. If you choose right justified, the text will begin loading to the right. The distance between each letter can be increased or decreased with the spacing slider, except for when evenly spaced is selected.

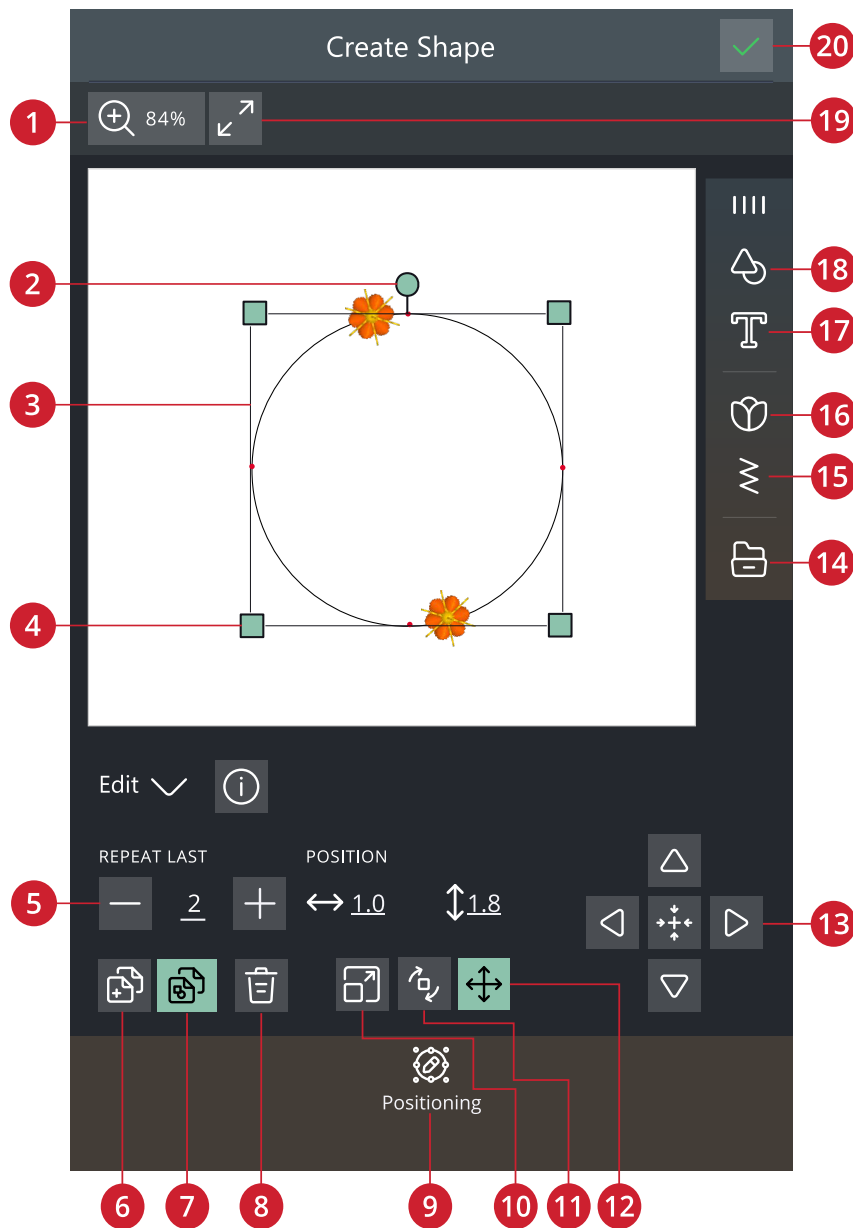
### **Fixed Letter Angle**

Decide how to align the letters on the baseline. Select to have the objects placed parallel to the baseline or to keep the current angle. The setting affects all objects on the shape.

# Create Shape

Creating shapes is a unique way to take your creativity to another level. Use your beautiful stitch sequences or embroidery designs to form one of several shapes.

The stitches/designs will be placed along the baseline in the order that they are loaded.



- |                          |                          |                   |
|--------------------------|--------------------------|-------------------|
| 1. Zoom options          | 8. Delete                | 15. Stitch menu   |
| 2. Rotate handle         | 9. Positioning           | 16. Design menu   |
| 3. Shape line            | 10. Scale                | 17. Letter shapes |
| 4. Scale handles         | 11. Rotate               | 18. Shape menu    |
| 5. Set number of designs | 12. Move                 | 19. Full screen   |
| 6. Duplicate last design | 13. Fine tuning controls | 20. OK            |
| 7. Repeat combination    | 14. File manager         |                   |

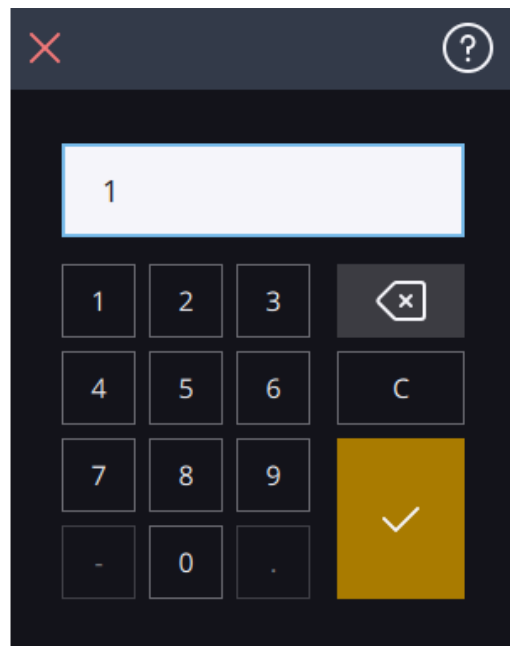
## Repeat Combination/Duplicate Last Design

Add more designs onto your shape in two different ways. When using repeat combination, the designs will be added to the shape in the same order as the ones already loaded. When using the duplicate last design, only the last added design in the shape will be added. Touch in the number area to open a keypad to set the number of designs.

*Note: Duplicate, delete or set number of designs/stitches are not available when shaping an embroidery text. Read about how to adjust your text while shaping in the [embroidery text chapter](#).*

## Set Number of Designs/Stitches

If you want to enter the total number of designs/stitches you want in your shape, touch the number to open a keypad. Enter the desired number of designs/stitches in the keypad and touch OK.



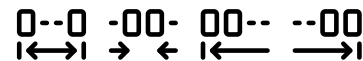
## Positioning in Create Shape

Touch the positioning icon to make adjustments to your shape.



## Distribution

You have several options for spacing your designs along the shape line: evenly space, left justified, centered or right justified. Evenly spaced is selected by default and will place the designs evenly along the shape line with an equal distance between all designs. If you choose left justified the designs will begin loading from the left. Centered will center the designs on the shape line. If you choose right justified, the designs will begin loading from the right. The distance between each design can be increased or decreased with the spacing controls, except for when evenly spaced is selected.



*Evenly spaced/centered/ left justified/ right justified*

## Line Position

You can place your designs horizontally, relative to the shape line: above, centered or below.



Centered/ Below/ Above

## Line Rotation

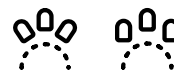
There are several options for how the designs will be rotated on the shape line: no rotation, rotate 90 degrees clockwise, rotate 180 degrees or rotate 90 degrees counter-clockwise.



No rotation/90 degrees clockwise/180 degrees/90 degrees counter-clockwise

## Angle

You can select angle of your designs. Align all the designs in a fixed, vertical rotation on the shape line or keep the current angle along the shape line.



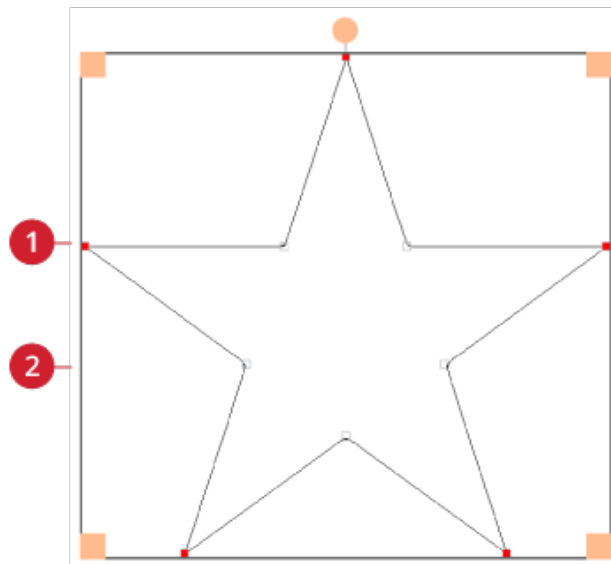
Follow shape/ fixed angle

## Control Points

A control point is a point affecting the selected shape. Each shape is built by several control points. Together they define what the shape will look like.

A selected control point is marked with a filled square. An unselected control point is marked with an outlined square. All control points are visible when you are editing the points. By adjusting the control points, the selected shape can be changed with unlimited possibilities.

*Note: The possibility to change the design using control points is only available for the basic shapes.*



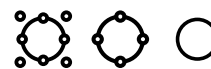
1. Selected control point marked with a filled square

2. Unselected control point marked with an outlined square

For each shape, there are pre-defined sets of control points. Select all or some of the control points.

When you have selected a set of control points, you can make adjustments to the shape: move, rotate and scale. The adjustments made will only affect the selected control points.

To increase or decrease the smooth of the selected control points use the smooth control. The higher number, the closer the baseline will be to the selected control points.



## Save Design

To save your file, touch save. You can choose to save your file to the CREATIVATE folder or to a USB device. Previously saved designs, stitches, sequences and/or fonts are shown.



Save

Read about organizing your saved stitches in [File Manager](#).

When saving current state, all your adjustments are stored and you can continue later by touching “continue from saved state” at the home screen.

*Note: You can only have one current state saved at a time.*

## Pop-up Messages in Embroidery Edit

To make your experience as convenient as possible, your machine sometimes communicate with you using pop-up messages. Those messages can contain warnings, recommendations, information or prompt you to perform an action.

Below, some of the messages that can appear are listed and explained.

### **Embroidery Combination is too Complex**

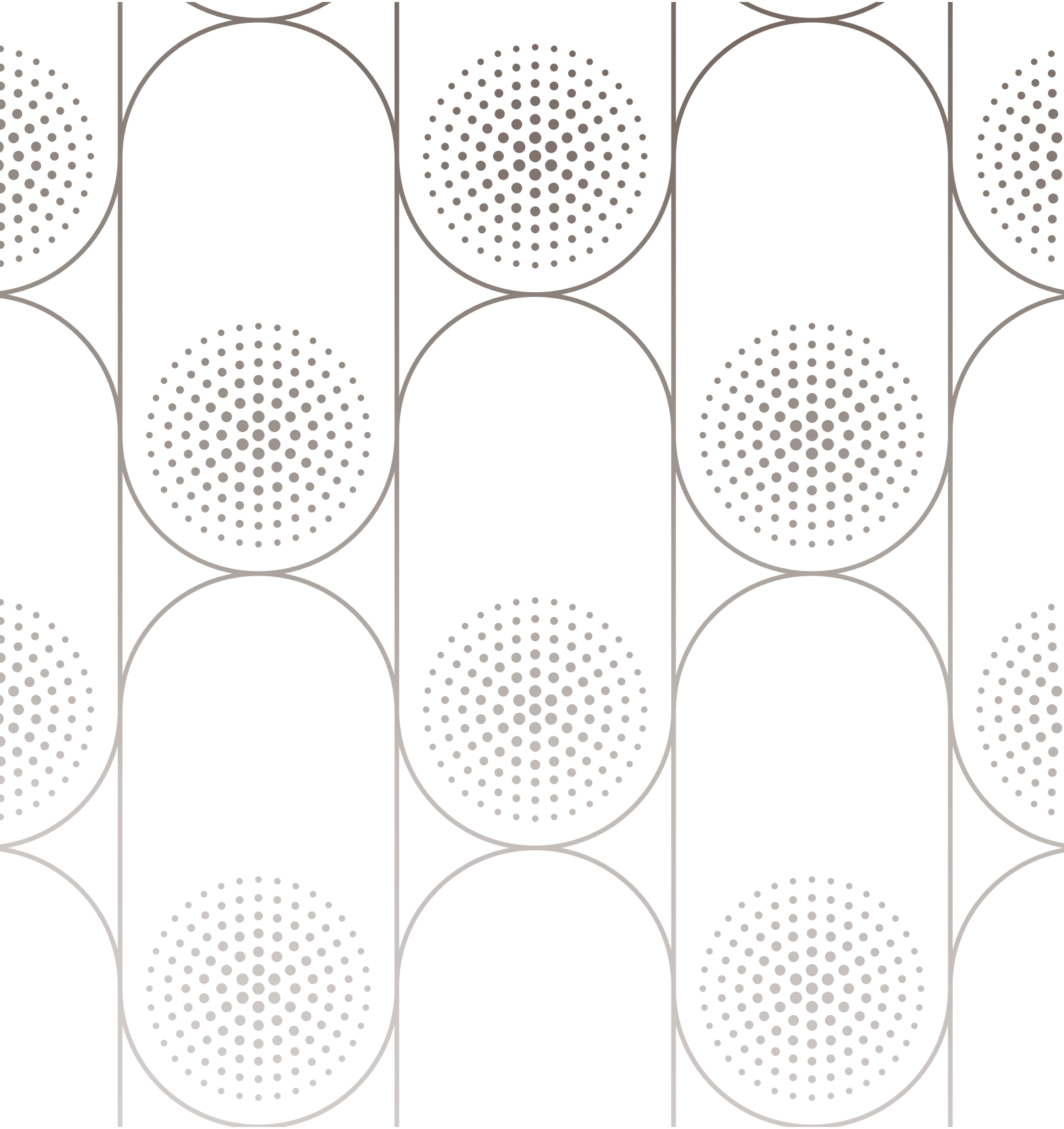
This pop-up message appears e.g. for one of the following reasons:

- The design combination contains too many color blocks.
- There are too many designs in the combination.
- One or more designs have been grouped and re-grouped too many times.
- The design combination you are trying to make contains too many stitches. Your design combination can have a maximum of approximately 500,000 stitches.

### **Exceeded Maximum Number of Stitches**

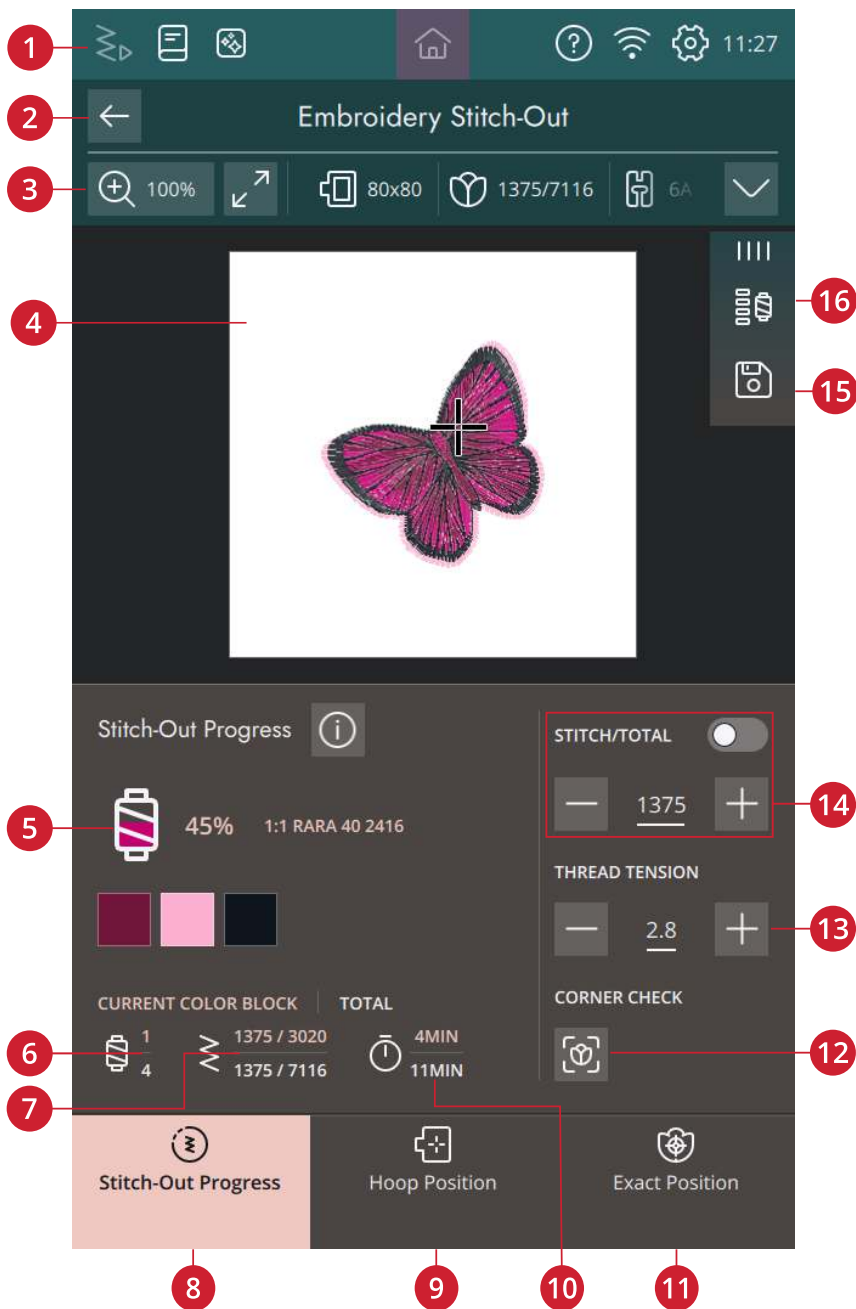
The design combination you are trying to make contains too many stitches. Your design combination can have a maximum of approximately 500,000 stitches.





Embroidery Stitch-Out

# Embroidery Stitch-Out – Overview



- |   |   |  |
|---|---|--|
| 1. Go to sewing mode  | 7. Current stitch/total stitch count for: current color block/ embroidery combination | 11. Exact position                     |
| 2. Go back to embroidery edit                               | 8. Stitch-out progress  | 12. Corner check                       |
| 3. Zoom options   | 9. Hoop position  | 13. Thread tension                     |
| 4. Embroidery area  | 10. Remaining embroidery time by color block/designs                                  | 14. Step stitch-by-stitch/go to stitch |
| 5. Stitch out progress                                      |   | 15. Save                               |
| 6. Current color block number/ total number of color blocks |   | 16. Color block options                |

# Review the Embroidery Stitch-Out Settings

Before starting to embroider, review the embroidery stitch-out settings to check that everything is set as you desire. You can select to skip this screen in future embroideries.

## Attached Needle Plate

The standard plate is generally recommended for best results in embroidery. If the needle plate shown is not the one you wish to use, attach your preferred needle plate.

## Selected Hoop

The currently selected hoop in embroidery edit is shown. If you want to change the hoop, return to Embroidery Edit and change the hoop in [Hoop Options](#).

## Selected Foot Type

Select which embroidery foot type you will use for the embroidery.

## Basting Options

Select basting to add a basting stitch that will secure your fabric to your stabilizer. You can choose either baste around design or baste around hoop or both. Basting can also be activated in the color block list. Read about [basting options](#).

## Thread Cut Options

Any settings for the thread cut options made in [embroidery settings](#) will be shown here and you can change the thread cut options here as well.

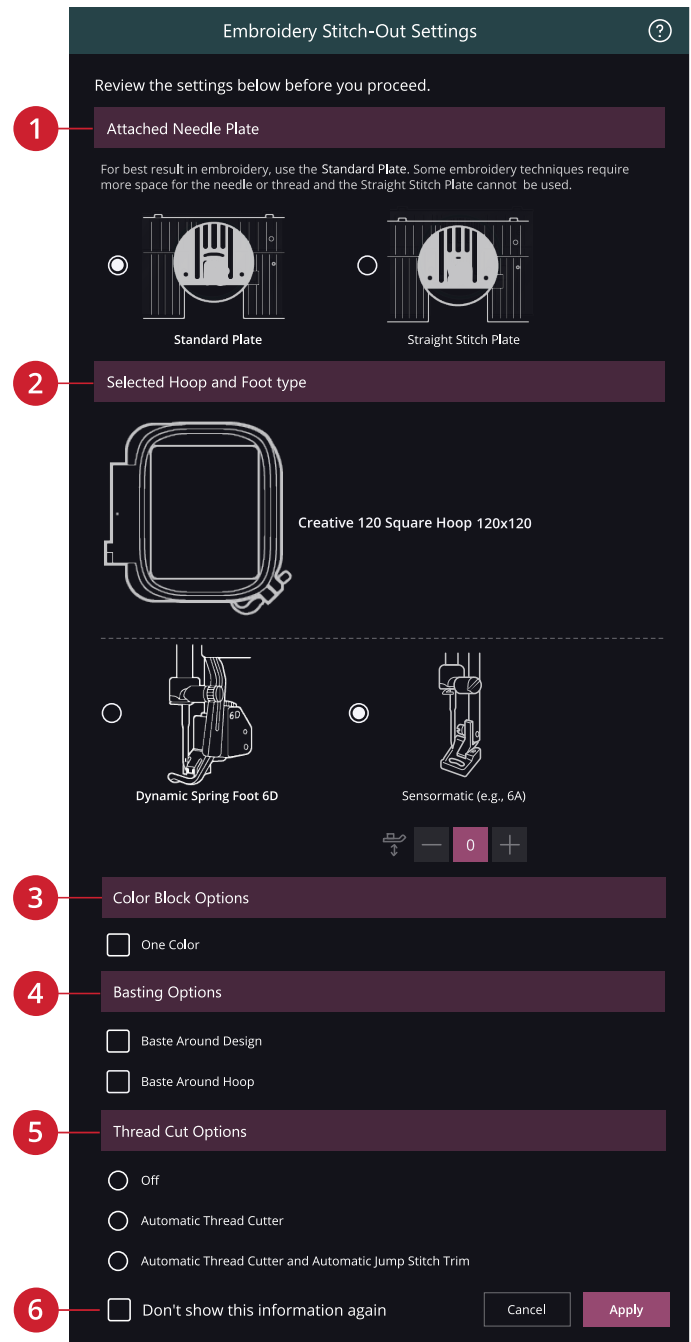
## Turn Off Stitch-Out Settings

Check the “Don’t show this information again” box to go directly to embroidery stitch-out, without reviewing the embroidery settings.

This function can be reactivated in machine settings.

## Color Options

Preset your embroidery into one color. You can also set these options in the color block list. Read more about [one color](#).



1. Attached needle plate
2. Selected hoop & foot type
3. Color options
4. Basting options
5. Thread cut options
6. Don't show this information again

## Color Block List

All colors in the loaded design(s) are shown in the order they will be embroidered. Each listed color shows the design number and color block order. Also shown are the thread manufacturer, thread weight and thread color number. The size of each color block gives an indication of how many stitches the color block contains.

Swipe in the color block list to see all of the color blocks. To go to another color block, touch it in the color block list.

## Basting Options

Basting enables you to secure your fabric to a hooped stabilizer. It is especially useful when the fabric that is going to be embroidered cannot be hooped. Basting provides support for stretchy fabrics.

The basting options are set in the stitch-out settings window before entering embroidery stitch-out. You can also select basting in the color block list.

Select baste around design to add a basting stitch around the design, outlining the area where the design will be placed on the fabric.

Select baste around the hoop to add a basting stitch around the inside edge of the hoop.

You can select both basting options to add additional support for certain fabrics and techniques.

*Note: When activated only the basting color blocks will be shown in the color block list. When basting is complete the color block list will once again show the color blocks of your design.*

## Ghost Mode

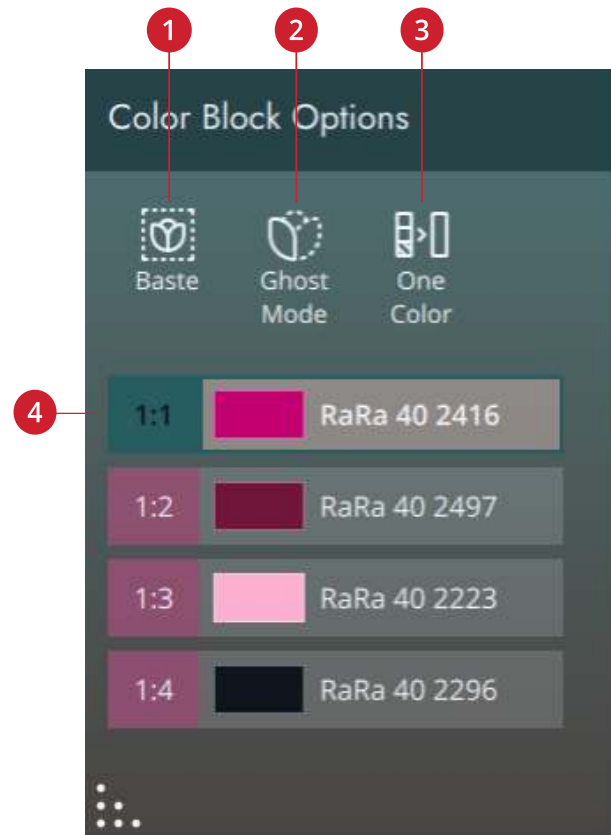
Touch ghost mode and only the color block that is currently stitching will be visible in the embroidery area. All other color blocks will be greyed out.

Ghost mode can be useful when your design contains color blocks in different shades of the same color, especially if they are close to or overlapping each other.

## One Color

Select to activate one color embroidery. All designs are shown in a grey color and the machine will not stop for color block changes. To deactivate one color embroidery, deselect one color option in the stitch-out settings.

*Note: If the automatic thread cutter and automatic jump stitch trim function is selected in settings, the jump stitches will still be trimmed between the color blocks.*



1. Basting options
2. Ghost mode
3. One color
4. Color block list

## Stitch-Out Progress

Here you will find information about the stitch-out progress, for example remaining embroidery time and current color block.

When embroidering, a cursor indicates current needle position on the screen.

You can use the stitch-by-stitch control to go to a particular stitch within the color block.

## Remaining Embroidery Time

An estimation of the remaining embroidery time is shown, both for each color block and the whole design. If one color is activated, the estimated remaining embroidery time for the whole embroidery combination is shown.

## Number of Stitches in Embroidery Combination

The current stitch position in embroidery combination is shown as well as the total number of stitches in the design or combination.

## Step Stitch-by-Stitch / Go to Stitch

Touch - to step backwards and + to step forward stitch-by-stitch. Move backwards a few stitches, after the upper thread breaks or runs out, to ensure that the thread will be secured. Touch & hold to move through the stitches more rapidly. The cursor on the screen will follow the stitches in the embroidery area.

To go to a particular stitch within the color block, touch the step stitch-by-stitch icon. A keypad will open, where you can enter the stitch number. If the number entered is too large, the machine will move to the last stitch in the current color block.

## Corner Check

Use corner check to trace the four corners of the design. This will make it easier to see the final placement of the design on your fabric.

Each touch will move the hoop to the four different positions and then go back to the current stitch position.

## Zoom Options

Zoom options are available on the secondary top bar. Zoom to all will show all the design(s) in the embroidery combination. Zoom to hoop will zoom to show the whole hoop on the screen.

## Hoop Position

Use the hoop position options to move the embroidery hoop to different positions.

### Current Stitch Position

When you want to return to the current stitch position and continue embroidering after you have changed the hoop position, touch the current stitch position. You can also press the start/stop button, on the front of the machine, once to return to the current stitch position and start the embroidery.

### Park Position

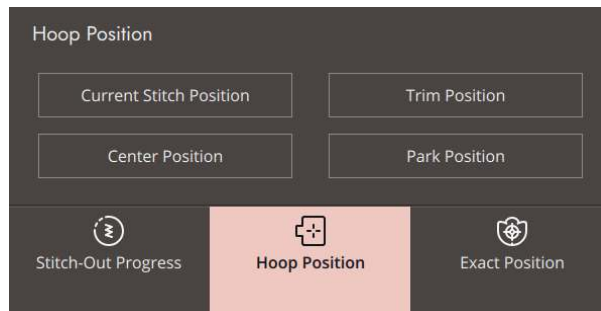
When you have finished your embroidery, remove the hoop and select park position. The embroidery arm will be placed in a position that will allow easy storage. Use the park position when you need to have a free sewing space with the embroidery arm out of the way.

### Trim Position

Trim position will move the hoop towards you, making it easier to trim threads and fabric for specialty techniques.

### Center Position

When you need to remove the hoop, e.g. when changing a bobbin, touch the center position. This will also show the center position of the hoop.



## Exact Position

Use exact position to place a design on an exact location on your fabric without re-hooping.

It can also be useful when you want to embroider a design to exactly match a specific spot on your project or next to a previously embroidered design.

## Zoom Options

Use the different zoom options to zoom in on your design(s). You can also use the zoom slider. When using the zoom to cursor it will maximize the zoom and pan the embroidery area so the cursor position is centered on the screen.

## Set Cursor Point

Move the cursor point to any of the selected corners or to the center of the design. The set cursor point can be used to trace the design field by touching each of the four corner icons. Find the center of the design by touching the set cursor point center icon.

## Exact Position Exercise

Follow the instructions on screen.

### 1. Select a Locking Point on Screen

Move the cursor with your finger to the point in the design on your screen that you want to match to a point on your fabric/ previously stitched design. Fine tune with the fine tuning controls. If you want to place the locking point in a corner or center of the design, touch zoom to cursor to maximize the zoom and pan the embroidery area for exact position of the cursor.

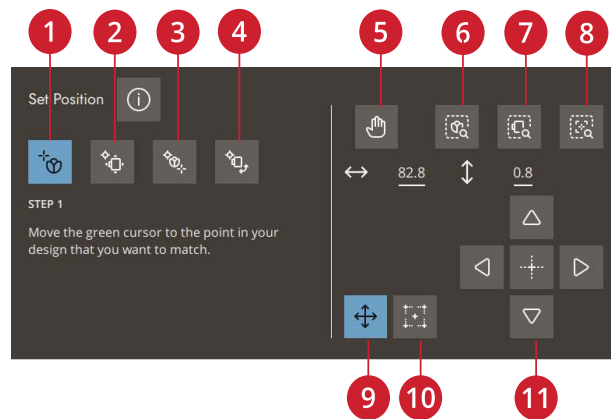
### 2. Move Locked Point on Fabric

The cursor will be locked to the design. It will change color with a ring around the center of the locking point. Touch and move with your finger on the screen to position your design exactly where you want it to match on the fabric or to the previously stitched design. Use the fine tuning controls to fine tune. Watch the hoop until the needle is exactly where you want it to be on the fabric or the previously stitched design. The locking point on the fabric shows the position of the needle in the design.

*Note: If you also need to adjust the angle of the design, continue with step 3.*

### 3. Set Matching Point on Screen

Select another matching point on the design to match a second position on the fabric or previously stitched design. Touch and move the cursor on the screen to where you would like the matching point to be in your design. Fine tune with the fine tuning controls. Use zoom to cursor to maximize the zoom and pan the embroidery area for exact position of the cursor.



1. Select a locking point on screen
2. Move locked point on fabric
3. Set matching point on screen
4. Rotate design on fabric
5. Pan
6. Zoom to all
7. Zoom to hoop
8. Zoom to cursor
9. Move
10. Set cursor point
11. Fine tuning controls



*Zoom to all/Zoom to hoop/Zoom to cursor*

#### 4. Rotate Design on Fabric

Rotate is automatically selected. Touch and move using your finger on the screen, or use the fine tuning controls, to rotate the design until the needle is exactly where you want it to be on the fabric or the previously stitched design.

### Save Current State/Restore Current State

If you want to stop embroidering and save your current position, touch start/stop to stop the embroidery. Then touch the save icon. There you have the option to save current state. You can now turn your machine off.

When saving current state, all your adjustments are stored and you can continue the embroidery later by touching “continue from saved state” at the home screen.

*Note: You can only have one current state at a time.*

### Auto Save

When embroidering, your machine will continuously and automatically save your ongoing work, including the current stitch, current embroidery, current stitch position and settings. If there is a power outage when you are in embroidery stitch-out a pop-up will appear when your machine is restarted. In the pop-up you can choose to return to embroidery stitch-out and bring up the design ready to stitch. The embroidery will start from approximately the same position as it was interrupted from.

*Note: Before starting the embroidery go back a few stitches using the step stitch-by-stitch control to ensure that the threads will be secured.*

# Pop-up Messages in Embroidery Stitch-Out

To make your experience as convenient as possible, your machine sometimes communicate with you using pop-up messages. Those messages can contain warnings, recommendations, information or prompt you to perform an action.

Below, some of the messages that can appear are listed and explained.

## The Embroidery Arm Needs to Calibrate

When the embroidery unit is attached, a pop-up message will appear and inform you to slide off the hoop and clear the machine area for calibrating the embroidery arm. You will also be reminded to disengage the IDT™ System and attach a suitable embroidery foot.



*It is very important to remove the hoop, otherwise the hoop or the embroidery unit may be damaged while calibrating.*

## Bobbin Thread Low

When the bobbin thread is running low, a pop-up message appears giving you advance notice that you will soon need to change the bobbin. This gives you an opportunity to plan when you want to change your bobbin.

It is possible to embroider until the thread has completely run out. Without closing the pop-up, touch the Start/Stop button, on the front of the machine or the foot control to continue embroidering.

Touch cancel to remain at the current stitch position.

Touch OK to move the hoop to the center position. The hoop position pop-up opens. Replace the empty bobbin with a full one. Touch current position in the pop-up and pull back any excess length of needle thread. Touch the start/stop button to continue embroidering.

## Cut and Remove the Thread Tail

After changing the thread, the machine will sew a few stitches and then stop so you can cut the thread tail.

*Note: When automatic thread cutter and automatic jump stitch trim function is selected in embroidery settings, the thread will be cut automatically and no cut thread tail pop-up will be shown. Simply remove the thread tail that has been cut.*

## Change Thread

When it is time to change the upper thread, the machine will stop. Change the spool of thread and re-thread the machine. The recommended thread color number is shown in the pop-up message.

## Your Embroidery is Finished

A pop-up message and sound informs you that your embroidery is finished. When the pop-up is closed the design will stay loaded in embroidery stitch-out and you can stitch the same embroidery again, including any changes you have made.

## Attach Hoop

If the hoop attached to the machine does not match the hoop that is selected and displayed on the screen, the machine will not embroider. You must change the hoop to the one displayed on the screen or return to embroidery edit and select the hoop to match the attached hoop.

The hoop needs to be inserted properly for the machine to detect it. Slide the hoop connector into the hoop attachment from front to back until it clicks into place.

## Change Needle (Optional Accessory)

Cutwork designs and felting designs require special optional needle accessories.

When the machine stops and this pop-up message is shown, insert the corresponding optional needle. Touch OK and press the start/stop button to resume.

Cutwork designs are marked with a cutwork needle symbol and felting designs are marked with a felting needle symbol in the creative elevate™ 680 sampler.

*Note: Cutwork designs can also be stitched out without using the cutwork needles. The cutwork area will then have to be cut manually and the color block for the cutwork needle in the color block list should be skipped.*

## Check Upper Thread

The machine stops automatically if the upper thread runs out or breaks. Re-thread the upper thread from the beginning, close the pop-up message and then go back a few stitches using the Step Stitch-by-Stitch control to ensure that the thread will be secured. Re-start your embroidery.

## Attention!

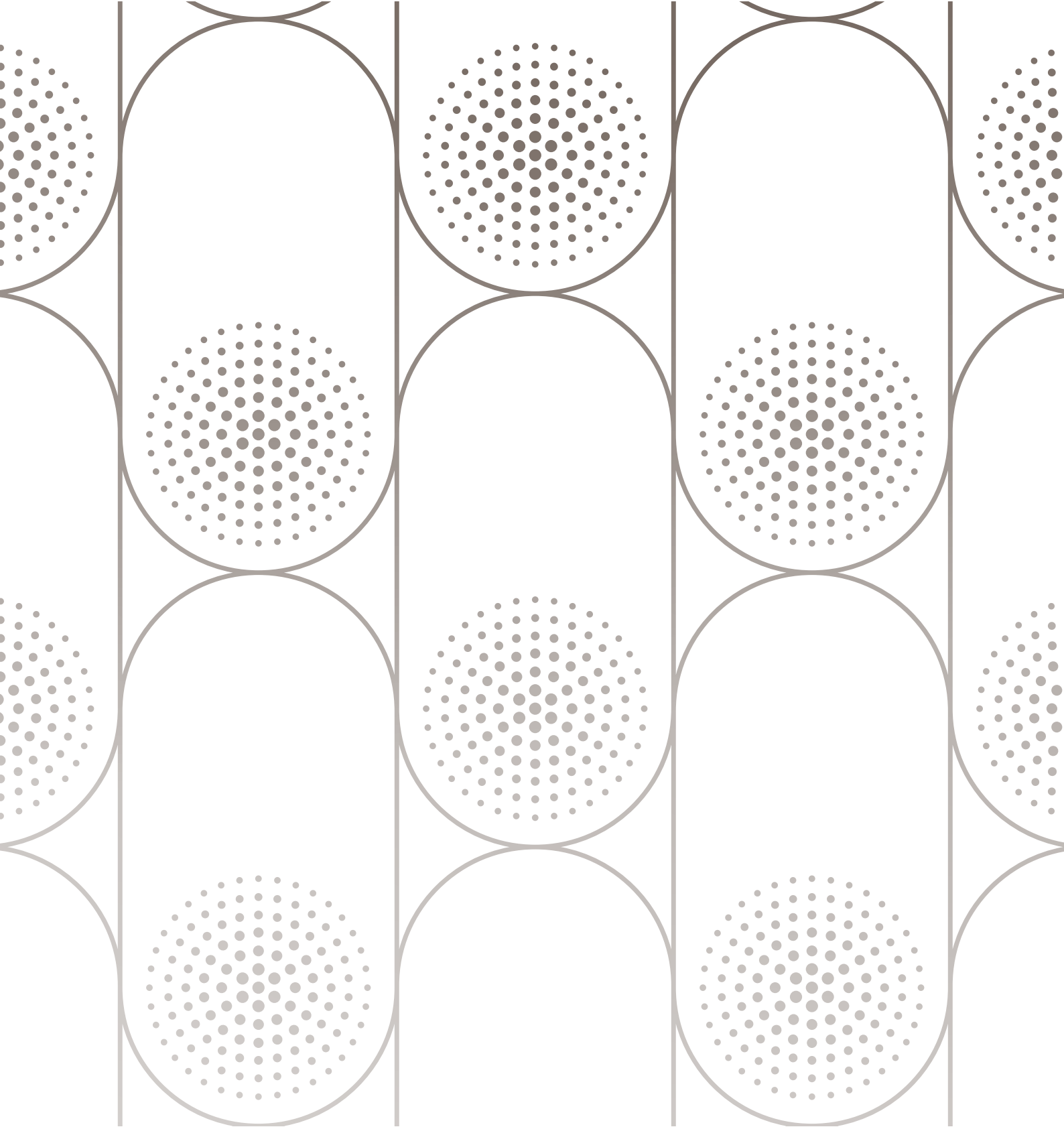
If the machine stops and this pop-up appears on the screen you cannot continue embroidering. Wait a moment and touch OK when it is enabled. Check needle size and condition and check that your machine is threaded correctly.

## Auto Smart Save

If a power outage has occurred, you will see this pop-up message when the machine is restarted. Touch OK in the pop-up to return to embroidery stitch-out. This will load the design ready to stitch from approximately the same position it was interrupted.

*Tip: Before starting the embroidery go back a few stitches using the step stitch-by-stitch to ensure that the threads will be secured.*





Settings

# Sewing Settings

## Automatic Presser Foot Lift

When selected, the machine automatically raises the presser foot in the following situations:

- When stopping with the needle in the down position the presser foot will automatically raise to pivot height.
- After a thread cut the presser foot will be raised to lift position.

When deselected, the presser foot will stay lowered, even if the machine stops with the needle in down position.

## Automatic Thread Cutter

When selected, the threads are cut automatically in the following situations:

- At cut commands in stitches and sequences.
- After sewing a single stitch e.g. a monogram or eyelets.

If deselected, no automatic thread cut will be performed.

*Note: Deselect when using optional accessories that are attached in the two holes in the needle plate just above the bobbin cover, to prevent damage to the automatic thread cutter knife located under the needle plate.*

## Attached Needle Plate

If the needle plate shown is not the one you wish to use, attach your preferred needle plate.

## Stitch Limiting Options

Set the machine to stitch width safety or select the size of the twin needle to limit the stitch width and stitch positioning. This will minimize the risk of breaking a needle when sewing with accessories that do not allow the use of the entire stitch width.

## Needle Stop Position

When up is selected your machine stops with the needle up. When down is selected your machine stops with the needle down.

This setting can also be set by touching the needle up/down button on the front of the machine.

## Presser Foot Pressure

In most cases, you do not need to adjust the presser foot pressure. Specialty techniques may require an adjustment. The higher the number the more pressure on the fabric.



## Tie-Off Options

These options let you program a tie-off at the beginning and at the end of a stitch. It is also possible to program a thread cut at the end of a stitch.

*Note: For immediate tie-off, use the tie-off button, found on the front of the machine.*

## Embroidery Settings

### Attached Needle Plate

The standard plate is generally recommended for best results in embroidery. If the needle plate shown is not the one you wish to use, attach your preferred needle plate.

### Embroidery Foot Type

Select either the Dynamic Spring Foot 6D Free-Motion or a Sensormatic Free-Motion Foot (e.g. 6A).

### Twin Needle Options

When embroidering with a twin needle the straight stitch plate needs to be removed as it cannot be used with a twin needle. The twin needle setting will automatically be set when loading a twin needle embroidery project from the project menu.

*Note: It is very important to activate the twin needle setting when embroidering with a twin needle to prevent damage to the machine.*

### Thread Cut Options

Choose between three thread cut options: no thread cuts, automatic thread cut and a combination of automatic thread cut and automatic jump stitch trim.

### Presser Foot Height Embroidery

When using the Sensormatic Free-Motion Foot 6A, the presser foot height can be adjusted for improved performance when using different weights of material and/or embroidery threads.

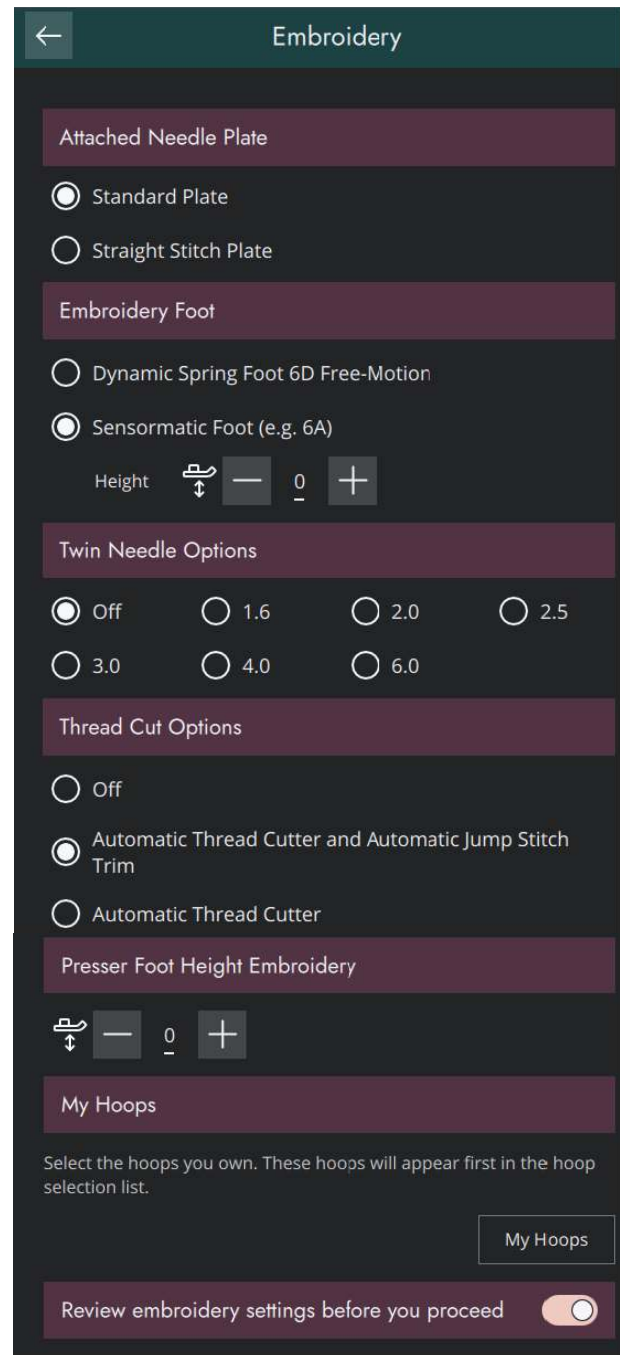
### My Hoops

Touch to open a list of available hoop sizes. The selected hoop will be the default hoop when loading any design to the embroidery area, independent of the design size.

If no default hoop size has been selected your machine will choose the most suitable hoop for your embroidery.

### Review Embroidery Settings

If you do not want to review your embroidery settings every time before you enter embroidery stitch out you can deselect this option.



# Display & Audio Settings

All settings made in the machine settings will be saved, even when turning your machine off.

## Language

Select your desired language. All texts in your machine will be changed after restart.

## Time Format

Set if your clock show a 12- or a -24 hour format.

## Time Zone

This is where you set your time zone. The clock is set to UTC (Coordinated Universal Time) standards. For example London is UTC time +/- 0 hours, New York is UTC -5 hours and Sydney is UTC +10 hours. Scroll through the time zones to find the time zone you are in.

## Timer Functions

You can set an alarm and find a stopwatch.

## Usage

Shows the number of hours sewn on the machine since you last reset the timer. You can reset the counter by touching "Reset".

## Auto Power Off

Your machine will automatically turn off after a duration of time due to inactivity.

The current state will be saved and possible to restore when the machine is activated again.

You will get a notification before the machine is turned off.

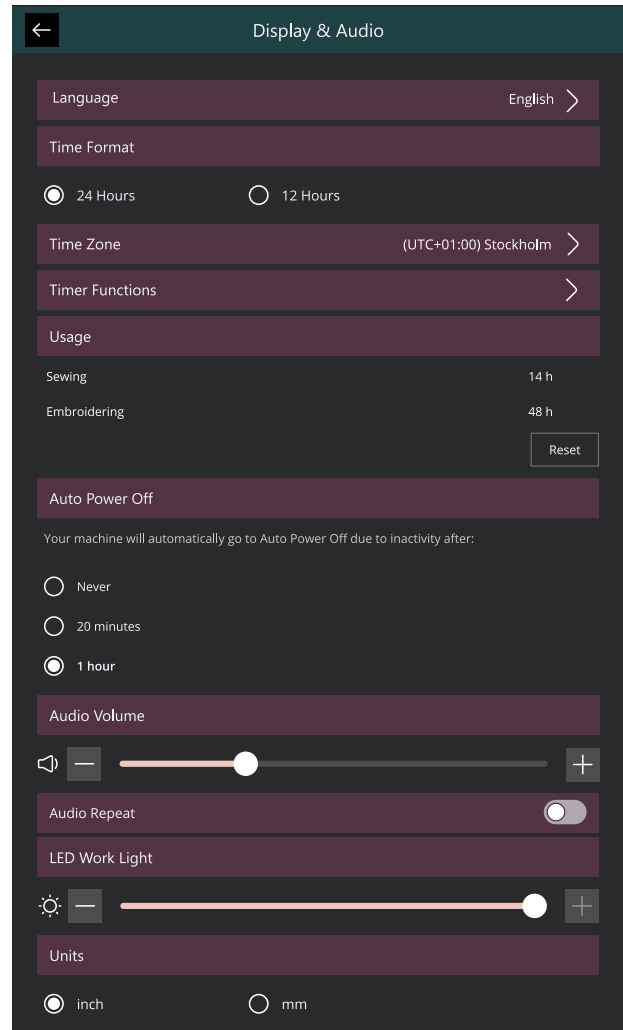
You can change the duration of time before your machine turns off in settings.

## Audio Volume

Change the audio volume using the slider bar. All sounds in your machine will be affected when the audio volume is changed. When the slider is all the way to the left, the volume is muted.

## Audio Repeat

When active, the signal for some warning alerts or attention pop-up messages will be repeated in intervals until the pop-up is closed.



## LED Work Light

Adjust the brightness of the LED lights to adapt to the light conditions in your sewing room. Simply move the slider to the right to make the LED lights brighter or to the left to make them less bright.

## Units

Touch millimeter or inch to set the measurement unit you prefer.

## Personalize Settings

### Machine Nickname

Touch to select a nickname for your machine. This can be useful when owning more than one machine, to distinguish one machine from another when working in CREATIVATE.

### User Name

Touch to select a user name.

### Color Themes

Set your own favorite color theme to your machine.

### Bottom Bar Text

Choose whether or not you want to have text together with your icons in the bottom bar.

### Canvas/Workspace Customization

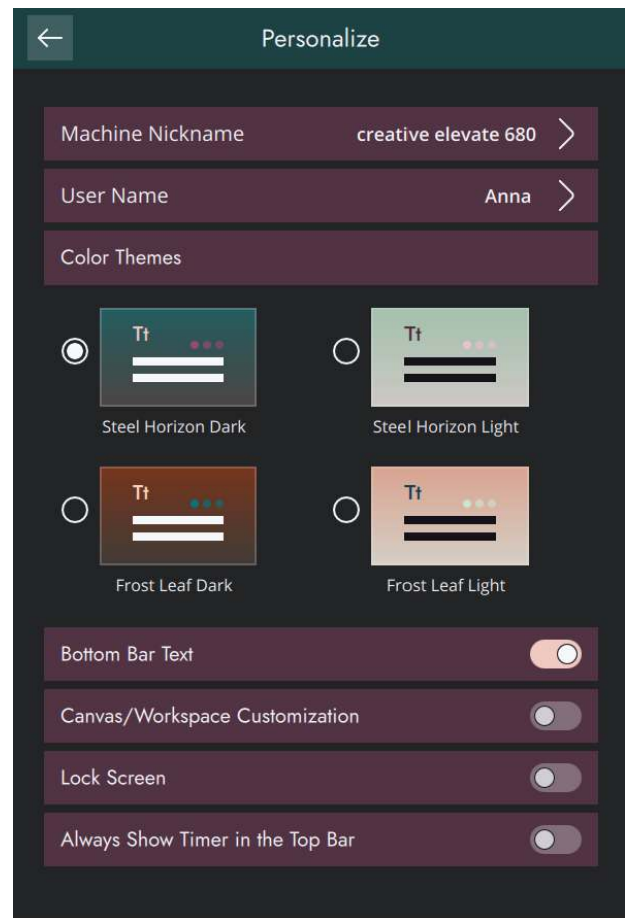
Check this box to allow you to move around functions that are used often, and customize them on the screen.

### Lock Screen

When selected, the screen is automatically locked whenever it is inactive for ten seconds. A pop-up is shown on the screen and the screen will remain locked until you touch OK in the pop-up.

### Always Show Timer in Top Bar

When selected, the timer will always be shown in the top bar.



## WiFi Settings

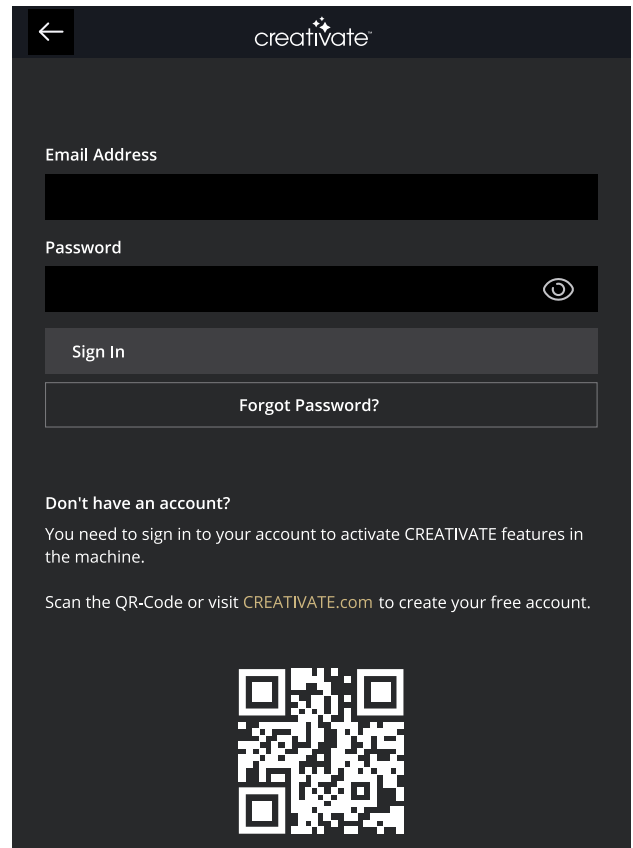
In WiFi settings you can activate/deactivate WiFi on your machine, search for available networks and connect. If connected to a network with internet access the latest firmware update will always be available.

Read more about the WiFi connection in your machine in the [WiFi chapter](#).



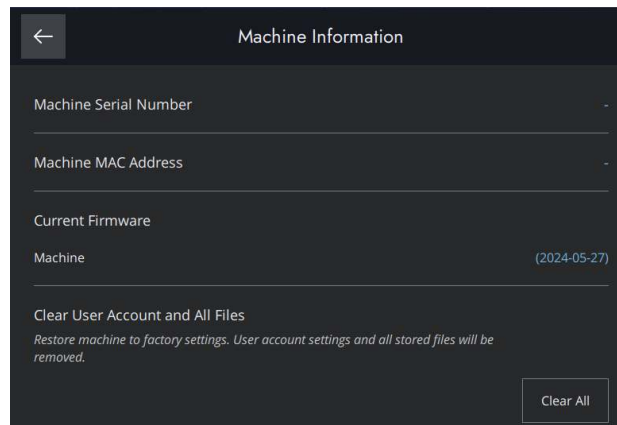
## CREATIVATE Settings

In settings you can sign in to your CREATIVATE account. With an account you will be able to access all of the CREATIVATE services.

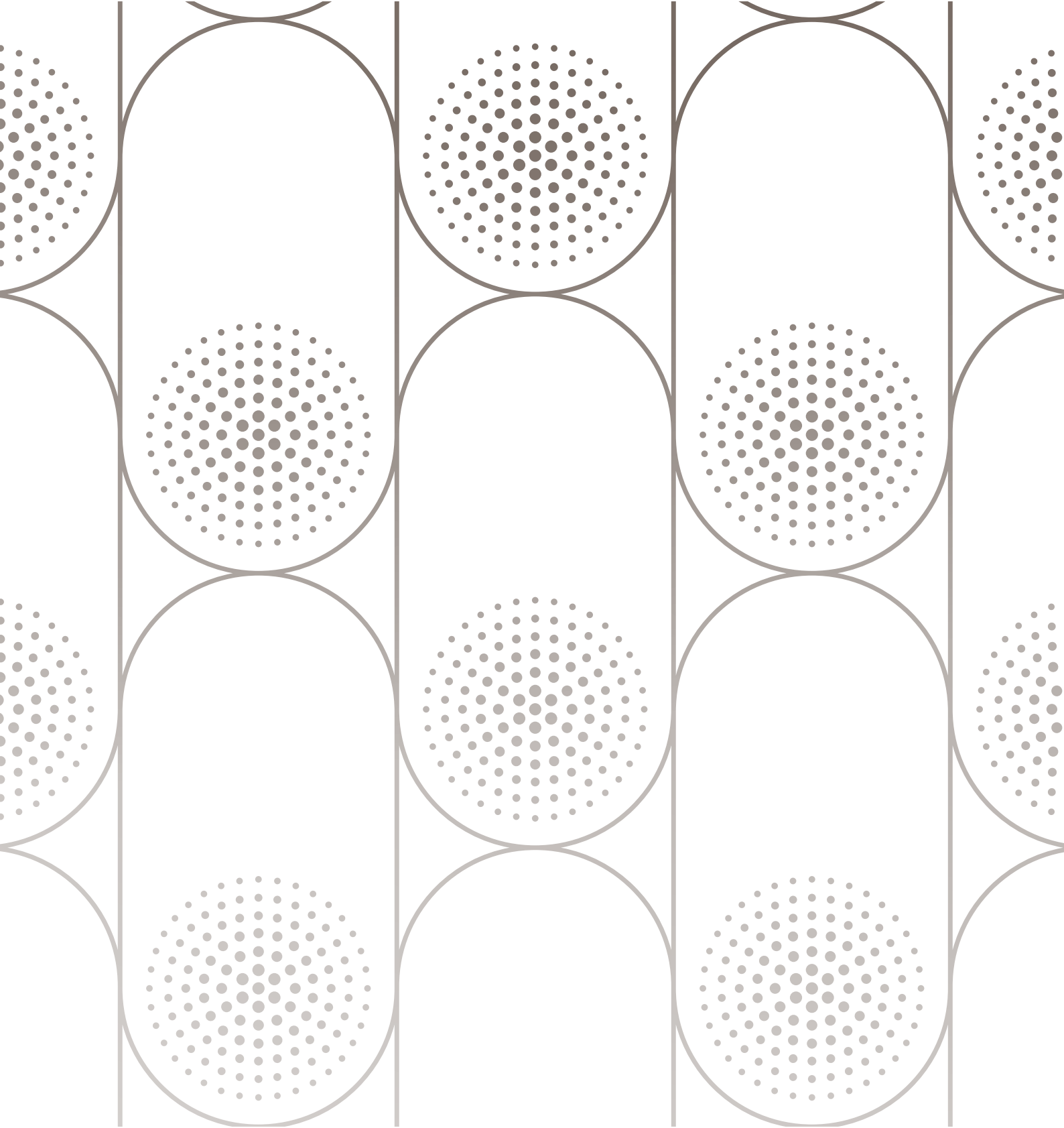


# Machine Information

Machine information contains technical machine information such as: machine serial number, machine MAC address and current firmware. In machine information you can clear user account and files.





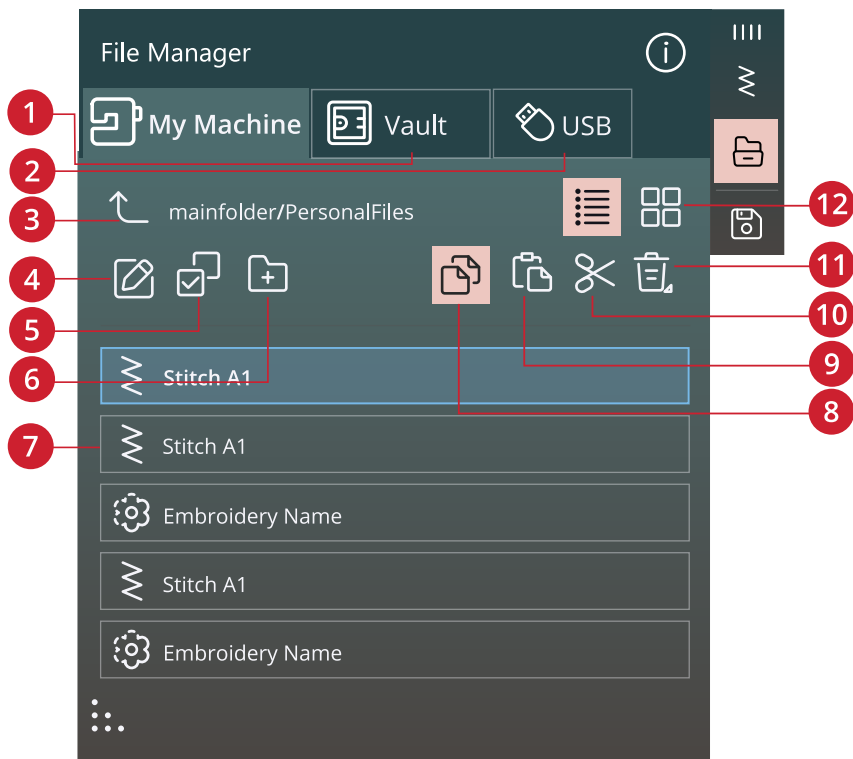


File Manager

# File Manager – Overview

Touch the folder icon in the Menu Panel to open File Manager.

File Manager is used to open your files. Store your saved files in the Vault folder or to a USB device connected to your creative elevate™ 680 machine.



- |                                 |                             |                                 |
|---------------------------------|-----------------------------|---------------------------------|
| 1. <u>Vault</u>                 | 5. <u>Select multiple</u>   | 9. <u>Paste</u>                 |
| 2. <u>USB device</u>            | 6. <u>Create new folder</u> | 10. <u>Cut</u>                  |
| 3. <u>Move up one folder</u>    | 7. <u>Selection area</u>    | 11. <u>Delete</u>               |
| 4. <u>Rename file or folder</u> | 8. <u>Copy</u>              | 12. <u>List/thumbnaill view</u> |

## File Formats

Your creative elevate™ 680 machine can load the following file formats:

- .VP4, VP3, .SHV, .DHV, .VIP, .HUS, .PEC, .PES, .PCS, .XXX, .SEW, .JEF, .EXP, .10\* and .DST (embroidery files)
- .SPX (stitch file)
- .VF3 (embroidery font file)
- .JOS, .VPP (project files)

*Note: Some versions of the embroidery files are not fully supported by your machine.*

*Note: If the file type or file version is not supported by your machine, or the file is damaged, it is shown in the selection area as an unrecognized file.*

## Browse File Manager

Store your files in the Vault folder or to a USB device connected to the USB ports. The USB Device is only available when a USB device is connected to your machine.

Swipe with your finger upwards and downwards to scroll and view the content. Design files and font files are displayed as thumbnail images or with an icon depending on if you have list view or thumbnail view selected.

## Open a File or Folder

Touch a file to read information about the file in the file information area. Touch & hold the file to load it.

If you load an embroidery font file, it will be loaded into embroidery edit. If you load a stitch font file, it will be loaded into sequence.

Touch & hold on a folder to open it. The content of the folder will be shown in the selection area.

## Select Multiple

If you want to select several files at one time, touch the select multiple icon. While select multiple is activated, touch the files you want to use.

*Note: If you try to load a variety of file/folders at the same time that open in different modes/screens, a pop-up message will be shown.*



## Vault Folder

Save your files to the Vault folder on the machine. Make sure you are signed in to a CREATIVATE account.

## USB Device

The USB Device menu is only active when a USB device is connected to the machine. Touch the USB Device menu to display all of the connected devices. Touch a USB Device to explore it.

The files visible in the USB section is listed in File Formats.

*Note: If you choose Delete All while in USB, it will delete all the files on your USB, even the ones not visible on the machine.*

## List/Thumbnail View

Touch the list/thumbnail view icon to toggle between showing the files in a list or as thumbnail icons. In list view each file is shown with the file name and file type. In thumbnail view each file is shown with file name and a thumbnail image of the file.



List view/thumbnail view

## Move up One Folder Level

Use the move up one folder level icon to step up through the levels of folders. You can step up all the way to the first level. In the selection area you will see the files and folders for each level as you step up. Touch & hold on a folder to open it.



*Move up One Folder Level*

## Organize

Below are instructions on how to organize your files in file manager.

### Rename a File or Folder

To change the name of a file or folder, touch to select it and then touch the rename file or folder icon. A pop-up message opens where you can enter the new name for a file or folder.



*Rename*

### Create New Folder

Touch the create new folder icon to create a new folder in the current position. A pop-up message opens where you can enter a name for your folder.



*Create New Folder*

### Copy a File or Folder

Use copy and paste to copy file(s) or folder(s) to another location.

Select the file(s) or folder(s), then touch the copy icon. Open the folder where you want to place the selection. Touch the paste icon. The file(s) or folder(s) is now stored in the new folder and the original file(s) or folder(s) still exists in the previous folder.

*Note: Activate select multiple to be able to select and move more than one file and/or folder at the same time.*



*Copy*



*Paste*

### Move a File or Folder

Use cut and paste to move file(s) or folder(s) to another location.

Select the file(s) or folder(s) and then touch the cut icon. Open the folder where you want to place the selection. Touch the paste icon. The file(s) or folder(s) is removed from its original location and now stored in the new folder.

*Note: Activate select multiple to be able to select and move more than one file and/or folder the same time.*



*Cut*



*Paste*

## Delete a File or Folder

To delete a file or folder, select it and touch the delete icon. A pop-up message will appear so that you can confirm the deletion. If a folder is deleted, all files within the folder are deleted as well.



Delete

To delete all files and folders shown in the active folder, touch & hold the delete icon for a few seconds. A pop-up message will appear so that you can confirm the deletion of all content.

*Note: If you choose Delete All while in USB, it will delete all the files on your USB, even the ones not visible on the machine.*

## Pop-up Messages in File Manager

To make your experience as convenient as possible, your machine sometimes communicate with you using pop-up messages. Those messages can contain warnings, recommendations, information or prompt you to perform an action.

Below, some of the messages that can appear are listed and explained.

### **Do You Want to Delete?**

When deleting a file or folder, you will need to confirm the deletion in the pop-up message that appears on screen. This will prevent you from deleting anything by mistake.

### **Not Enough Available Memory**

When only a small amount of space is left, your machine will alert you one time. If you continue to fill the space, it will not remind you again, until the space is completely full. Move your files to a USB device by using the cut and paste functions to free up space.

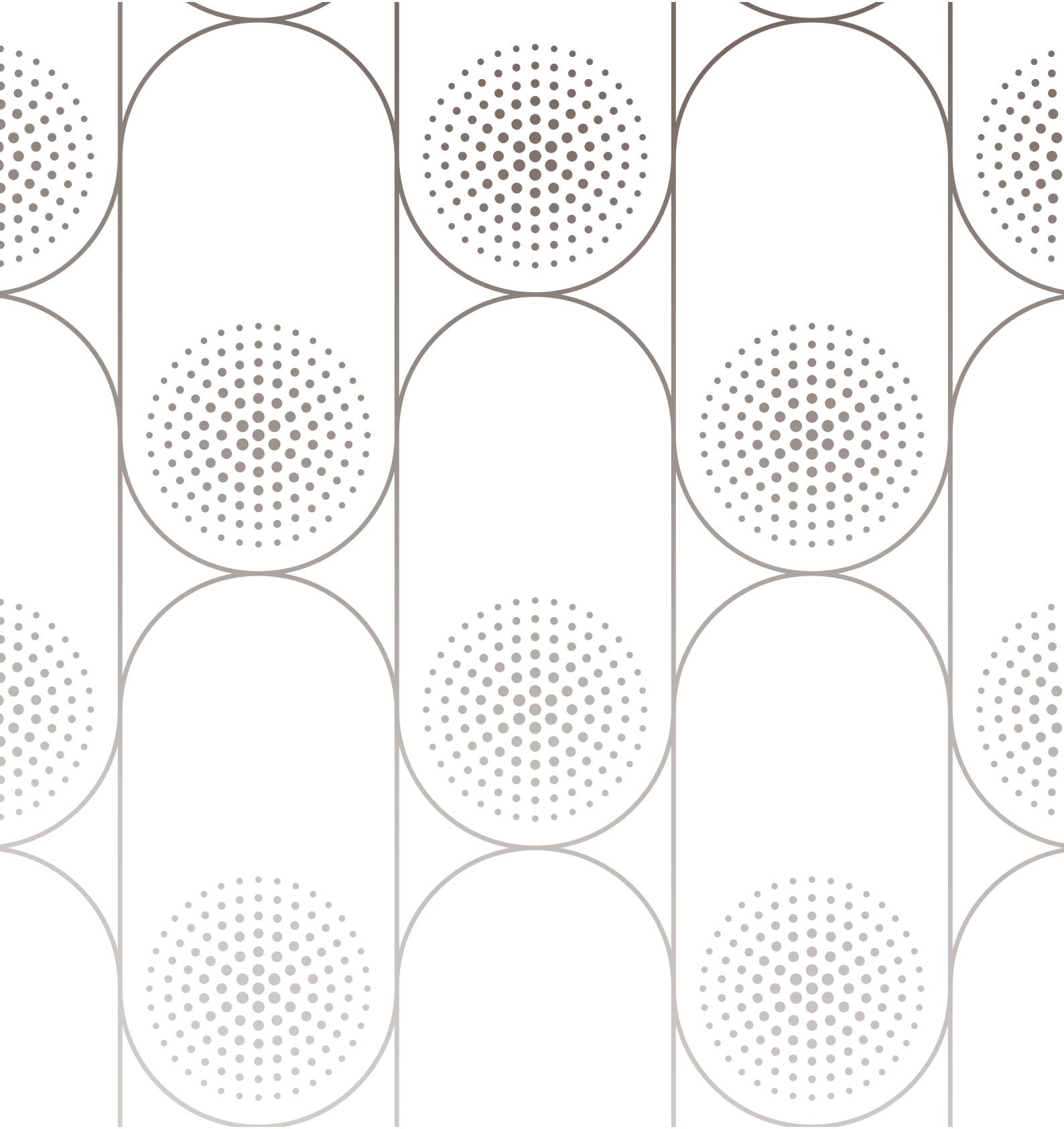
### **Folder Already Exists**

You cannot create a new folder with the same name as another folder on the same level. Create your folder on a different level or enter a different name for the folder.

### **The Combination of Selected File Types Cannot be Loaded**

Some file combinations can not be loaded to the same destination using select multiple.





Maintenance


## Cleaning the Machine Exterior

To keep your sewing machine operating well, clean it often. No lubrication (oiling) is needed.

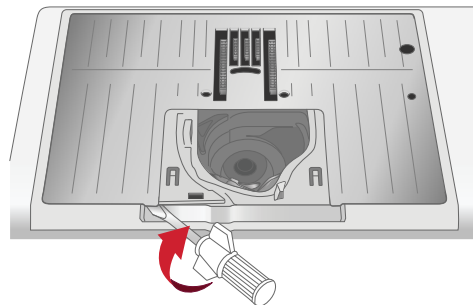
Wipe the exterior surface of your machine with a soft cloth to remove any dust or lint built up.

Wipe the screen with a clean, soft and slightly damp microfiber cloth.

## Removing the Needle Plate and Cleaning the Bobbin Area

 *Turn off the machine.*


Remove the presser foot. Remove the bobbin cover. Place the supplied screwdriver under the needle plate as shown and gently turn the screwdriver to pop off the needle plate. Clean the feed teeth with the brush that is included with the accessories.



## Cleaning Under the Bobbin Area

Clean the area under the bobbin case after sewing several projects or any time you notice an accumulation of lint in the bobbin case area.

Remove the bobbin case holder (A) covering the front part of the bobbin case by lifting it up. Remove the bobbin case (B) by lifting it up. Clean with the brush.

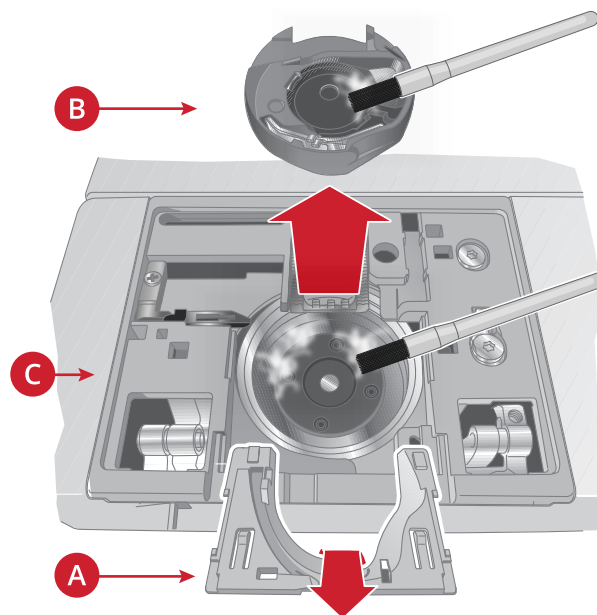
 *Use caution when cleaning around the automatic thread cutter knife (C).*

Put the bobbin case and the bobbin case holder back in place.

*Note: Do not blow air into the bobbin case area. The dust and lint will be blown into your machine.*

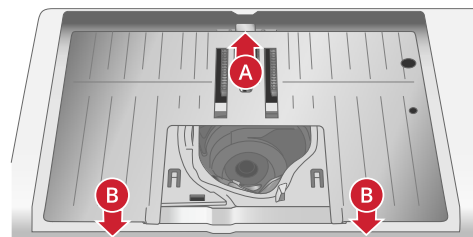
*Note: When using the optional accessory PFAFF® Embroidery Cutwork Needles or PFAFF® Felting Embroidery Set, it is necessary to clean the bobbin area after each embroidered design/project.*

*Note: Regularly clean the lint and threads from the bobbin area. Check the area when changing the needle plate.*



## Replacing the Needle Plate

Position the needle plate so that it fits into the notch at the back (A). Press the needle plate down until it clicks into place (B). Replace the bobbin cover.



# Troubleshooting

In this troubleshooting guide you will find solutions to the problems you may have with your machine. For further information please contact your local authorized PFAFF® retailer who will be happy to help you.

## General Problems

Bobbin alarm does not work	Clean lint from bobbin area and use only the original PFAFF® bobbins designed especially for this model.
Thread cutter does not cut the thread	Remove needle plate and clean lint from bobbin area. Enable automatic thread cutter in the settings menu.
Fabric does not feed	Make sure the machine is not set for Free-Motion sewing. Make sure the feed teeth are not set to down in the settings menu.
Wrong stitch, irregular or narrow stitch	Deactivate twin needle or stitch width safety in the settings menu.
The needle breaks	Insert needle correctly as described, see <a href="#">Changing the Needle, page 23</a> . Use a needle suitable for selected fabric. See <a href="#">Selecting Correct Thread/Needle Combination, page 25</a> .
The machine will not sew	Check that all plugs are securely inserted into the machine and the wall socket.
Poor result	Use only accessories designed for your creative elevate™ 680 machine. Follow the on-screen recommendations.
The machine screen and/or function buttons do not respond to touch	The sockets and function buttons on the machine can be sensitive to static electricity. If the screen does not respond to touch, turn the machine OFF and then ON again. If the problem persists, contact your authorized PFAFF® retailer.
When sewing in heavy and/or dense fabrics the machine emits a distinct sound different from the sound normally generated when sewing.	The sound is not an indication of malfunction. The machine is equipped with a pulsating needle piercing feature that helps the needle to penetrate heavy and/or dense fabrics. The sound is caused when the presser foot and fabric lift with the needle. Increase the presser foot pressure to prevent the foot from lifting.  If the sound does not seem to be related to the pulsating needle piercing feature, contact your authorized PFAFF® retailer for service.

## The Automatic Needle Threader Does Not Work Properly

The needle eye is too small for the thread	Use a larger needle size or lighter weight thread. See <a href="#">Selecting Correct Thread/Needle Combination, page 25</a>
Are you using a specialty thread such as an “invisible” or other stretchy thread, metallic or flat metallic thread or heavy weight thread?	Specialty threads may not be caught correctly by the hook on the automatic needle threader. If this happens, the needle will not be threaded. Try using the automatic needle threader again or thread the needle manually.
The needle is not threaded.	The needle threader is wrongly threaded. Re-thread and try again.  If using thread that is too thick for the needle, the needle threader may not be able to pull the thread through the needle eye. Change to a lighter weight thread and retry.

The thread is tangled in the needle threader.	Remove the thread carefully so as not to damage the small hook that runs through the needle eye. Once the thread is removed, re-thread and try again.
The automatic needle threader does not return to its home position.	Contact your authorized PFAFF® retailer for service.

## The Machine Skips Stitches

Did you insert the needle properly?	Insert needle correctly as described, see <a href="#">Changing the Needle, page 23</a> .
Did you insert a wrong needle?	Use needle system 130/705 H. Use a needle suitable for selected fabric and thread. See <a href="#">Selecting Correct Thread/Needle Combination, page 25</a> .
Is the needle bent or blunt?	Insert a new needle.
Did you thread the machine properly?	Remove the thread completely and rethread the machine, see <a href="#">Threading the Upper Thread, page 24</a> .
Is the correct presser foot used?	Attach correct presser foot.
Is the needle too small for the thread?	Change the needle.
Is the fabric moving up and down with the needle when Free-Motion sewing or embroidering?	If using the 6A Embroidery/Sensormatic Free-Motion Foot, decrease the embroidery pivot height in settings menu in small increments until the problem is solved.

## Needle Thread Breaks

Did you insert the needle properly?	Insert needle correctly, see <a href="#">Changing the Needle, page 23</a> .
Did you insert a wrong needle?	Use needle system 130/705 H. Use a needle suitable for selected fabric and thread. See <a href="#">Selecting Correct Thread/Needle Combination, page 25</a> .
Is the needle bent or blunt?	Insert a new needle.
Did you thread the machine properly?	Remove the thread completely and rethread the machine, see <a href="#">Threading the Upper Thread, page 24</a> .
Does the thread slide down and get caught under the thread spool?	Use a thread net over the spool. See .
Is the needle too small for the thread?	Change the needle to the proper size for the thread.
Are you using poor thread with slubs or thread which has become dry?	Change to a new high quality thread purchased from an authorized PFAFF® retailer.
If using a spool cap on top of the spool, is it too small so the thread snags at the top of the spool?	Attach a spool cap slightly larger than the actual thread spool.
Is the best spool pin position used?	Try a different spool pin position (vertical or horizontal).
Is the needle plate hole damaged?	Change the needle plate.
Is the thread tension too high for selected thread?	Lower the thread tension in small increments until problem is solved.

## Bobbin Thread Breaks

Is the correct bobbin used?	Use only bobbins especially designed for the creative elevate™ 680 machine.
Did you insert the bobbin properly?	Check the bobbin thread.

Is the needle plate hole damaged?	Change the needle plate.
Is the bobbin area full of lint?	Clean lint from bobbin area and use only the original bobbins approved for this model.
Is the bobbin wound correctly?	Wind a new bobbin.

### The Seam has Uneven Stitches

Is the thread tension correct?	Check needle thread tension. Remove the thread completely and rethread the machine, see <a href="#">Threading the Upper Thread, page 24</a> .
Is the thread you are using thick or slubbed?	Change the thread.
Is the bobbin thread evenly wound?	Check bobbin winding.
Is a correct needle used?	Insert a proper needle correctly as described, see <a href="#">Changing the Needle, page 23</a> . Use a needle suitable for selected fabric. See <a href="#">Selecting Correct Thread/Needle Combination, page 25</a> .

### The Machine Does Not Feed or Feeds Irregularly

Did you thread the machine properly?	Remove the thread completely and rethread the machine, see <a href="#">Threading the Upper Thread, page 24</a> .
Has sewing lint collected between the feed teeth?	Remove the needle plate and clean the feed teeth with the brush.
Is the Free-Motion setting on?	Turn off Free-Motion setting in sewing mode.
Are the feed teeth set to down?	Make sure the feed teeth are not set to down in the settings menu.
Is the correct presser foot used?	Attach correct presser foot.

### Thread Loops are Forming on the Underside of the Embroidery Design

Has the embroidery built up too much to move freely under the presser foot?	If using the 6A Embroidery/Sensormatic Free-Motion Foot, increase the embroidery pivot height in settings menu in small increments until the problem is solved.
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### The Embroidery Design is Distorted

Is the fabric hooped properly?	The fabric must be tightly hooped. For larger hoops, use hoop clips.
Is the inner embroidery hoop properly inserted into the outer embroidery hoop?	Hoop the fabric in such a way that the inner hoop exactly matches the outer hoop.
Is the area around the embroidery arm and hoop free?	Clear area around the embroidery unit.
Is the hoop attached properly?	Make sure the hoop connector is inserted all the way into the hoop attachment on the embroidery arm.

### The Embroidery Design has Puckered

Did you stabilize your fabric sufficiently?	Ensure you use the proper stabilizer for your technique or fabric type.
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## The Machine will not Embroider

Is the embroidery unit attached?	Make sure that the embroidery unit is properly attached into the socket.
Is the wrong hoop attached?	Slide on the correct hoop.

## Troubleshooting Connectivity

### The Machine Cannot Connect to a WiFi Network

The machine will not connect to a WiFi network	<p>Make sure that WiFi is enabled on your machine. Touch the WiFi button on the top bar or go to WiFi settings.</p> <p>Make sure that the machine detects a signal from your WiFi network. If there is no signal, move the machine closer to the WiFi router.</p> <p>Make sure you have selected your WiFi network.</p>
The machine has no Internet connection	Make sure that your WiFi router has access to the Internet.
The WiFi network is password protected	Make sure that you have selected your WiFi network and entered the correct password. If you do not know the password, contact the administrator of your network.

## Service

**Have your sewing machine serviced regularly by your local authorized retailer!**

If you have followed this troubleshooting information and still have problems, contact your retailer. It may be helpful to bring the fabric, thread and stabilizer you are using with you. If you have a stitch out that shows the problem, please bring that as well. A sewing sample will often give better information than words and help your technician diagnose the problem.

## Non-Original Parts and Accessories

The warranty does not cover any defect or damage caused by use of non-original accessories or parts.

## Technical specification

<b>Sewing Speed</b> 1000 stitches/minute maximum	<b>Rated Voltage</b> 100–240V, 50–60Hz	<b>Nominal Consumption</b> <100W
<b>Light</b> LEDs	<b>Foot Control</b> Model: FR5	<b>Safety Class</b> II (Europe)
<b>WiFi Module</b> Frequency: 2.4 GHz 802.11 b/g/n Transmitting power: +17 dBm Receiver sensitivity: -97 dBm	<b>Machine Dimensions</b> Length: 571 mm Width: 220 mm Height: 307 mm	<b>Net Weight</b> Machine only: 11 kg Embroidery unit: 3.2 kg
<b>Non-Load Power Consumption</b> >0.5W		

The technical specifications and this user's guide can be changed without prior notice.

You have purchased a modern, updatable sewing and embroidery machine. As we regularly release firmware updates, it is possible that there may be some differences between the machine firmware and the firmware described in the user's guide. Consult your local authorized PFAFF® retailer, and be sure to visit our website at [www.pfaff.com](http://www.pfaff.com) for the latest updates of the firmware and the user's guide.

We reserve the right to change the machine equipment and the assortment of accessories without prior notice, or make modifications to the performance or design. Such modifications, however, will always be to the benefit of the user and the product.

## INTELLECTUAL PROPERTY

Patents protecting this product are listed on a label positioned underneath the Sewing Machine.

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Please note that on disposal, this product must be safely recycled in accordance with relevant National legislation relating to electrical/electronic products. Do not dispose of electrical appliances as unsorted municipal waste, use separate collection facilities. Contact your local government for information regarding the collection systems available. When replacing old appliances with new ones, the retailer may be legally obligated to take back your old appliance for disposal free of charge.

If electrical appliances are disposed of in landfills or dumps, hazardous substances can leak into the groundwater and get into the food chain, damaging your health and well-being.



Points de collecte sur [www.quefairedemesdechets.fr](http://www.quefairedemesdechets.fr)  
Privilégiez la réparation ou le don de votre appareil !



### Importer to the UK:

**VSM UK**

Ravensbank House, Ravensbank Drive

North Moons Moat, Redditch. B98 9NA, United Kingdom

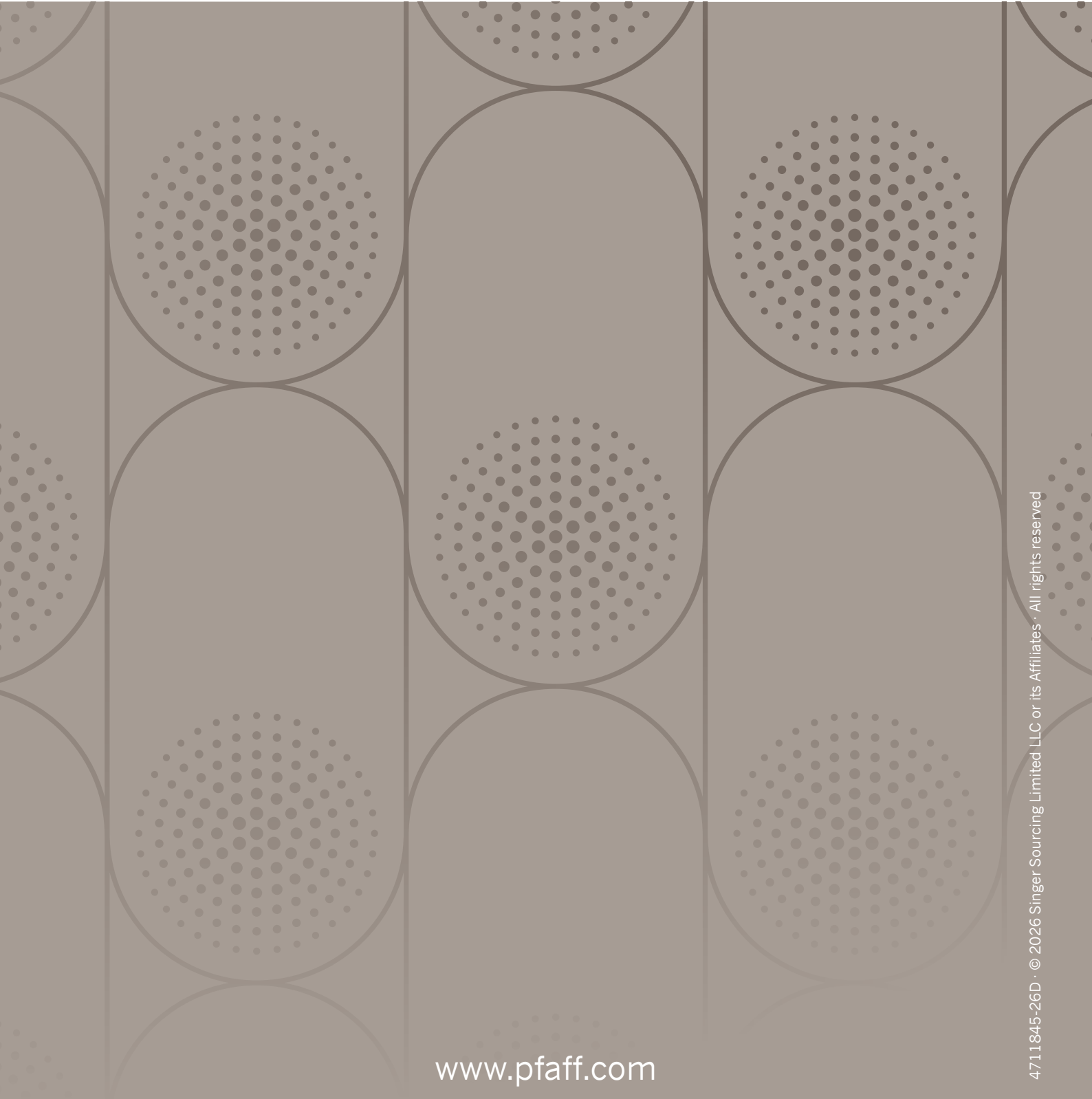
### Manufacturer

**VSM GROUP AB, SVP Worldwide**

Soldatorpsgatan 3, SE-54474, Jonkoping,  
SWEDEN

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