

Topics

→What is Multi-Hooping?

- Multi-Hooping Goals
- Multi-Hooping Facts
- Multi-Hooping Decisions

→Scenarios for multi-hooping

→Pinpoint Placement



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Multi-Hooping Goals

- Accommodate a design with minimum number of hooppings
- Maximize overlaps between hoops for accuracy
- Maintain the stitch order of a design
- Align the design seamlessly!

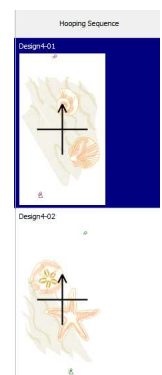
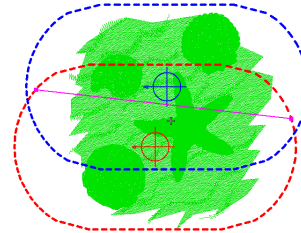


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Multi-Hooping Facts

- Software includes whole objects if possible



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Multi-Hooping Facts

- Only one size hoop can be used
- Chosen through Show Hoop icon
- When stitching the design, can use different size hoops if you want

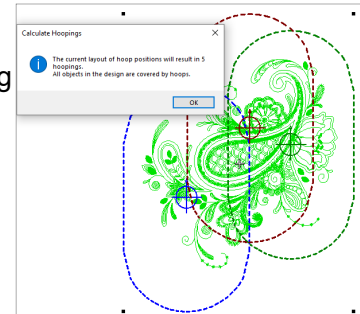


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Multi-Hooping Facts

- Software maintains stitching order
- Hoopings VS Hoop Positions



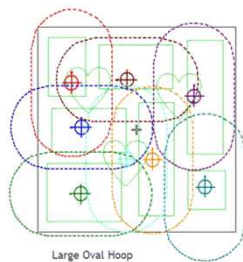
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Multi-Hooping Facts

- Hoops are color-coded as placed

- Red Hoop
- Blue Hoop
- Green Hoop
- Brown Hoop
- Orange Hoop
- Purple Hoop
- Teal Hoop
- Turquoise Hoop



Large Oval Hoop

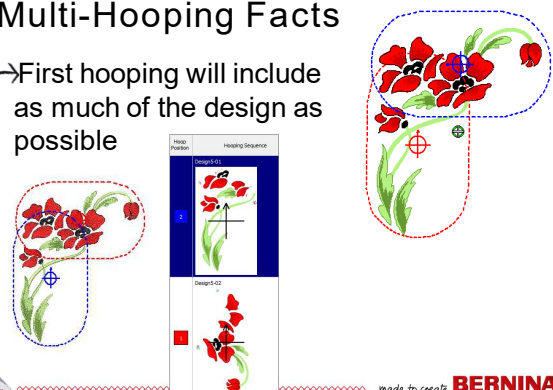


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Multi-Hooping Facts

- First hooping will include as much of the design as possible

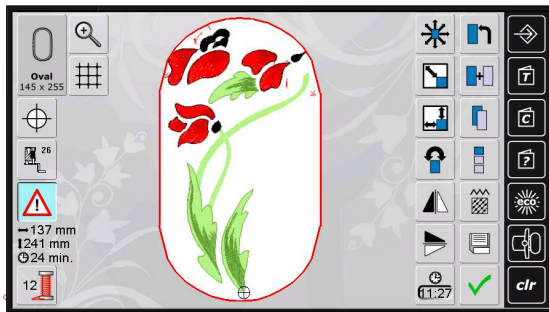


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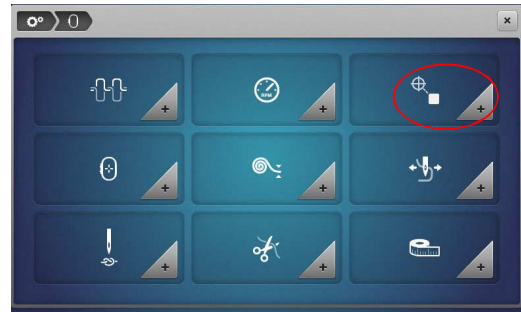
8

Multi-Hooping Facts

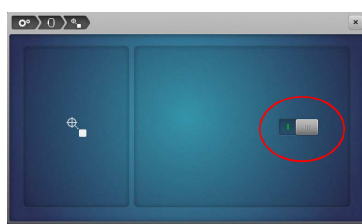
→ May get out of hoop message



Off-Center Positioning

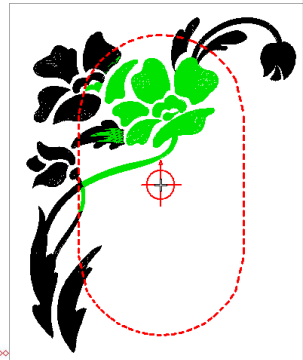


Multi-Hooping Facts



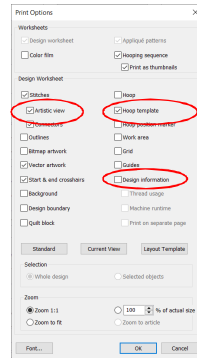
Multi-Hooping Facts

- Covered whole objects display in green
- Uncovered objects display in black



Template Facts

- Always print at 100%
- When Hoop Template is checked, may take more pages to print
- Checking Design Information requires more pages
- Artistic View shows up better than Design View
- Can recolor design before printing for visibility



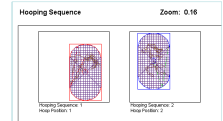
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Template Facts

- Not absolutely necessary to print individual templates with Pinpoint Placement

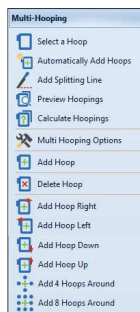
- With a tight fit of designs within the hoop, may want to print individual
- With diagonal hoopings, may want to print
- Thumbnails only print in Design View; may want to save individual files to print in Artistic View



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Multi-Hooping Toolbox



- Opens Hoop Options
- Places hoops on design automatically
- You add the splitting line
- Shows hooping sequence; can still modify
- Calculates number of hoopings
- Opens Options of Multi-hooping tab
- Adds hoop offset from selected hoop



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Multi-Hooping Decisions

- **Method:** Use Automatically Add Hoops vs. Manually place hoops?
- **Alignment:** Registration marks, Absolute Check or Pinpoint Placement
- **How to send/save designs:** Save Machine Files in addition to combined files or only save combined



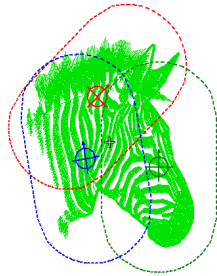
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Method: Automatically Add Hoops

→Automatic Splitting:

- Use Automatically Add Hoops to automatically split the design for multi-hooping

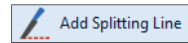
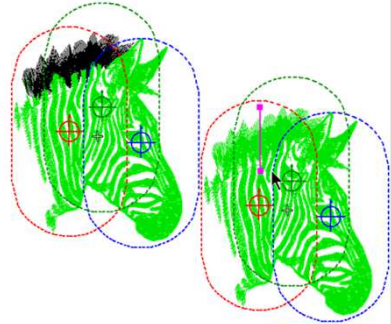


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Method: Manually Place Hoops

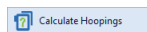
- Place hoops
- Add split line



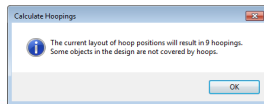
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Calculate Hoopings



- Always click on Calculate Hoopings
- Calculation time
- Can try moving and/or rotating hoops to decrease the number of hoopings
- If objects not covered, receive warning



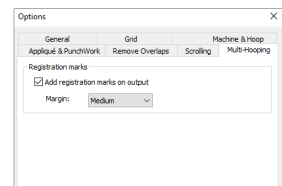
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Alignment Options

→Registration Marks

- Auto
- Manual



→Absolute Check

→Pinpoint Placement

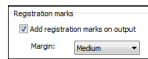


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Registration Marks

→ Let software add them



→ Basting Stitch Markers



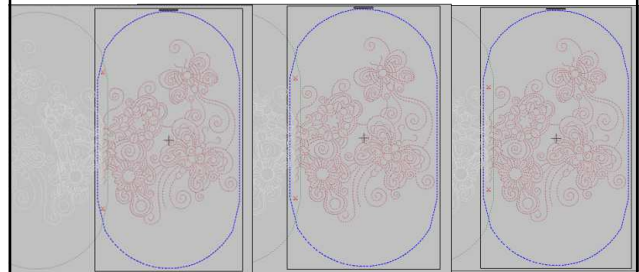
→ Digitize own markers with Open Object tool



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Registration Marks: Margins



Small

Medium

Large



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Registration Marks Facts

- Automatically added
- Generated on output
- Can vary distance from hoops (margin)
- Longer stitch lengths so easy to remove



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Registration Marks Facts

→ Two sets are generated



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Absolute Check

- More exact than registration marks
- Identify key points in the design to match
- One point at a time can be matched; must "guess" if design needs to be rotated



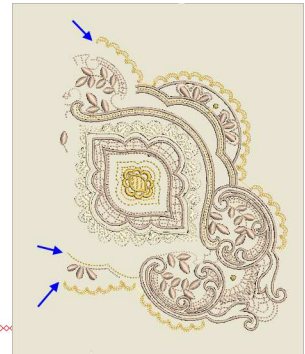
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Absolute Check

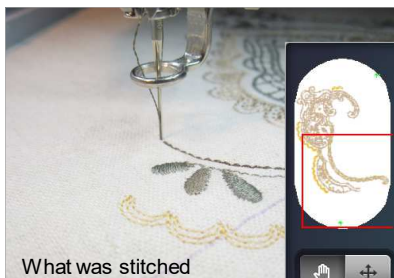
- Locate Critical Areas of Alignment in Design
- Zoom in for accuracy



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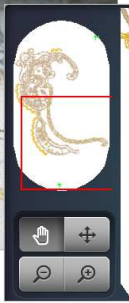
26

Absolute Check

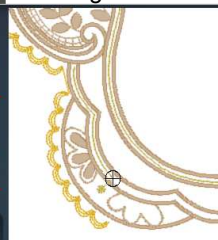


What was stitched

Look at templates to help



Check for Alignment



What will stitch



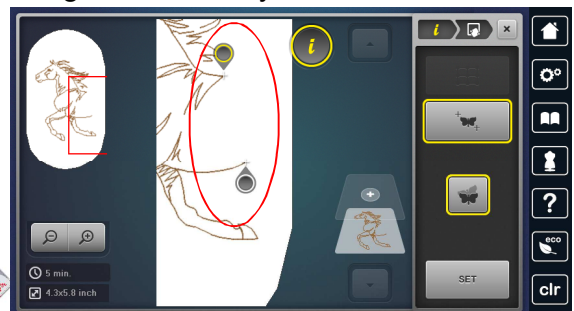
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Pinpoint Placement

- Two points chosen; machine rotates design if necessary



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Saving Options

- File> Save As: Design can be saved with all hoops as a single design file; then click on Write to Card/Machine to send individual files to USB
- Select File> Export Machine File: Saves the split files individually on computer



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Saving Designs

- Design should be saved with all hoops as a single design file (master file)
- Pure ART format
- Once a design is split, becomes a stitch file



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Multi-Hooping Scenarios



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Types of Multi-Hooped Designs

- Separate, distinct designs, widely spaced
- Separated, distinct designs, closely spaced, but don't touch
- Continuous border design
- Large, connected designs



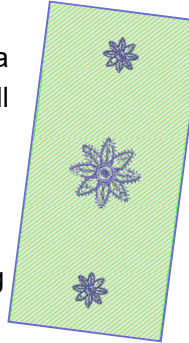
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Separate, distinct designs

- Designs span over large area
- Designs don't connect, but all won't fit in one hoop
- Use the Hoop center as reference point for each design
- Easiest type of multi-hooping

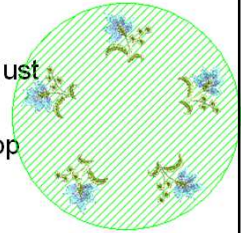


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Distinct designs, closely spaced

- Designs are closer together so that some can be placed in same hoop
- No critical areas to match, just want spaced evenly
- Use Automatically Add Hoop
- Use Registration Marks
- Print full template

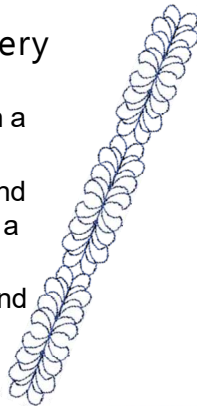


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Continuous Embroidery

- Design repeats itself down a border
- Quilt borders, border around a garment, down center of a tablecloth
- Insert markers at start & end
- Start/End become the reference points

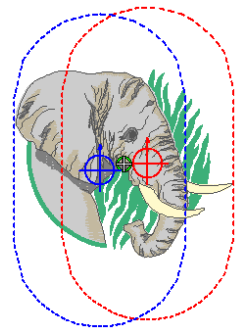


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Connected design

- Best using Absolute check or Pinpoint Placement



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Calibrate Hoop

- Hoops must be calibrated to the machine before stitching the design
- Especially important with designs that span the width of the hoop
- Use hoop with plastic template to calibrate
- Calibrate large oval hoop



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Calibrating the Hoop



→Go to Settings



→Embroidery Settings



→Calibrate Hoop

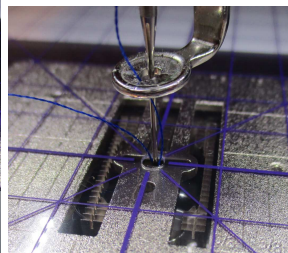
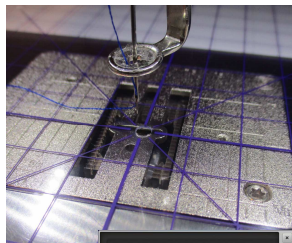


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Move hoop as needed; Confirm



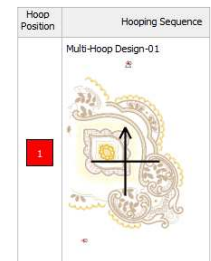
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Multi-Hooping Aids

- Hoop template—clear plastic insert
- Printed design template
- Double stick tape
- Master Hooper



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Multi-Hooping Aids

The Master Hooper



Attach outer ring to bracket



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Prepare Hoop

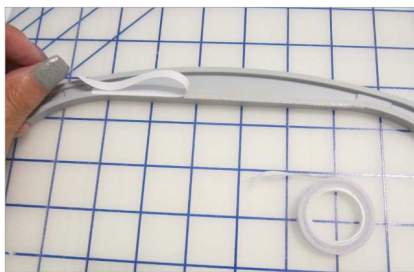


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Prepare Hoop

→ Peel away the paper cover

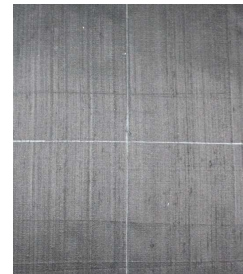
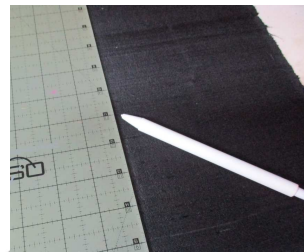


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Fabric Prep

→ Mark horizontal and vertical fabric center

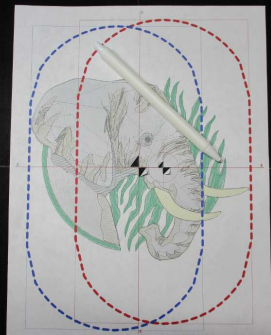


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Align Paper Template

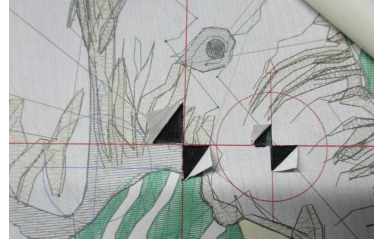
- Cut design center of template
- Align center of template with center of fabric



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Align Paper Template

- Mark first hooping center as alignment point



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Align Plastic Template

- Align center of plastic template with marked hoop center of design 1
- Make sure plastic template is parallel to fabric vertical center
- Press along edges of hoop to adhere tape to fabric



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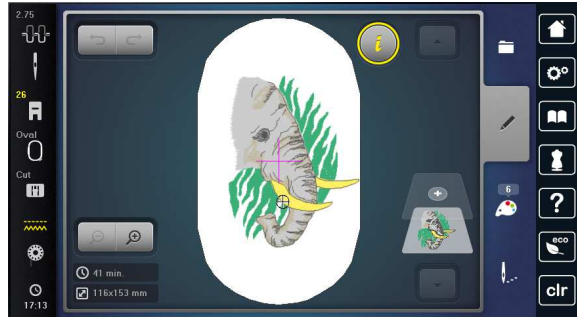
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Place in outer hoop

- Place in outer hoop
- Check that fabric not skewed
- Master Hooper really helps here!
- Match arrows

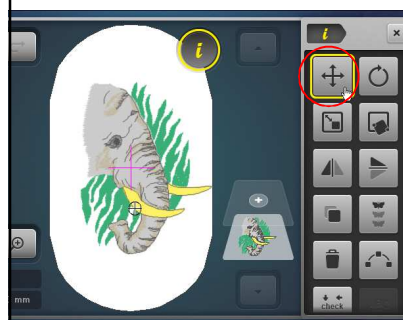


Select Elephant Design 01

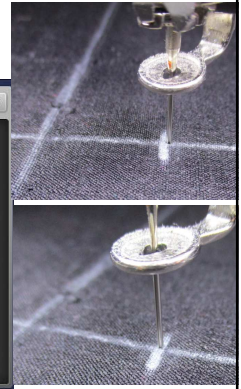


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Move Motif to align



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Stitch

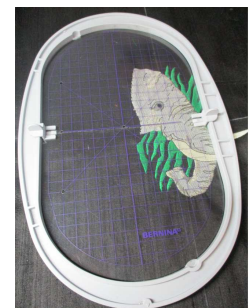
→ Remove from hoop



51

Hoop for second design

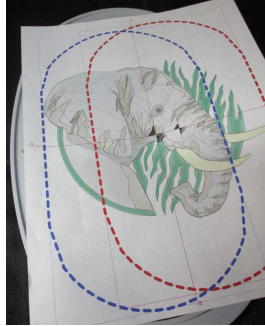
→ Make sure template gridlines are parallel to lines on the fabric



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Hoop for second design

→Can use printed template to make sure design will fit in hoop boundaries



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Hoop for second design

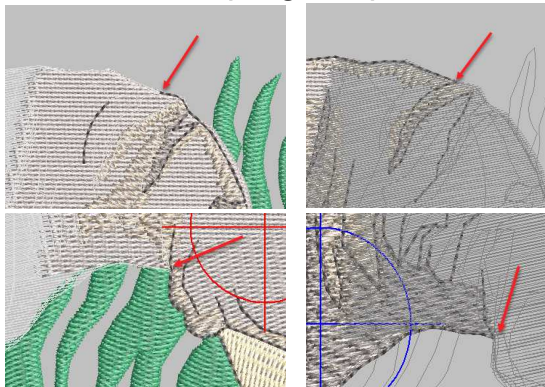
→Insert in outer hoop
→Make sure grid of template is parallel to marked lines on fabric



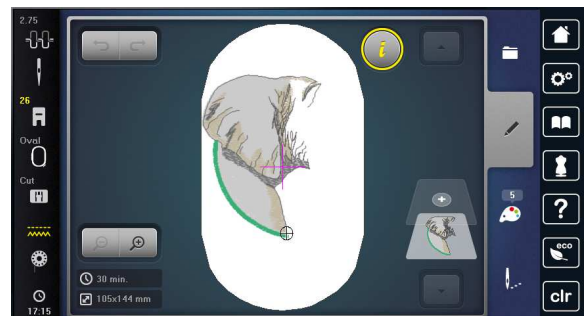
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Refer To Hooping Sequence



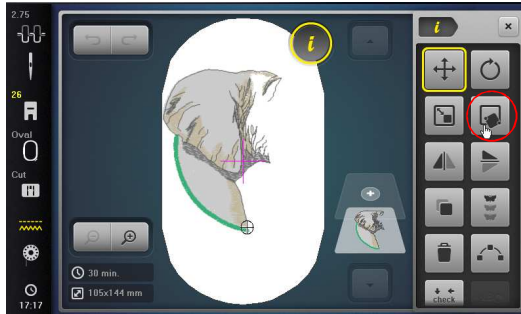
Retrieve Elephant Design 02



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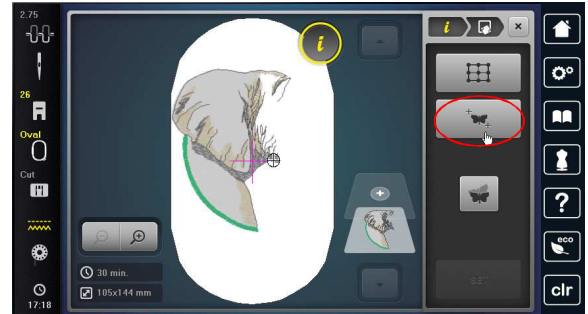
Activate Pinpoint Placement



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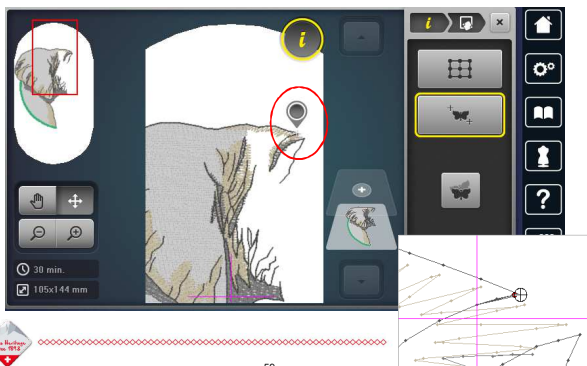
Positioning dots as desired



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Click on first match point



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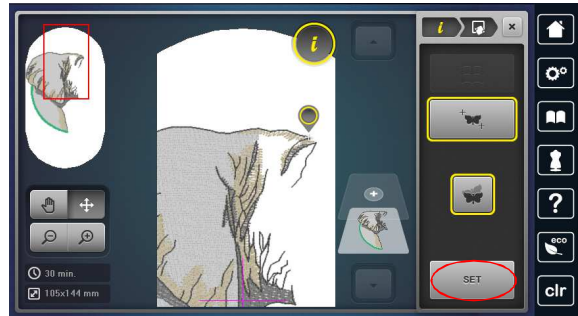
Move needle position as needed to align



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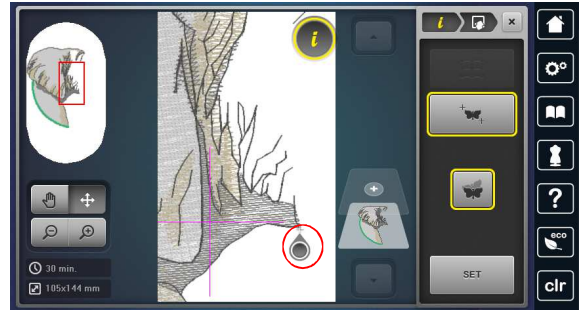
Touch Set



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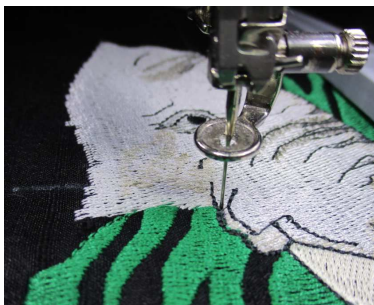
Zoom out; Touch second point



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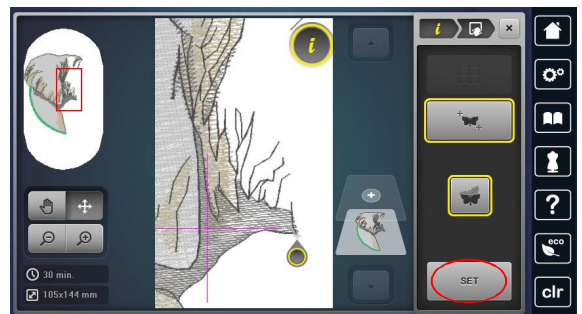
Move needle to match



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Set; Stitch



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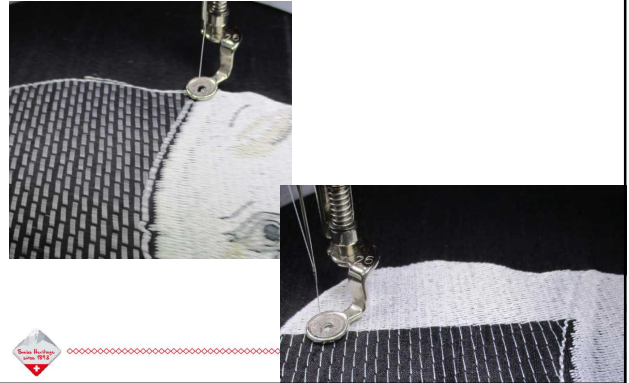
64

Activate Basting Frame



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Be aware



Amazing accuracy!



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Questions?

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