

FREESTANDING ROCKET SHIP



1

Design

Fits hoop sizes 5" x 7" and larger

THREAD LIST



Isacord Thread Colors

- 0020 Black
- 0138 Heavy Storm
- 0142 Sterling
- 0622 Star Gold
- 1010 Toast
- 1805 Strawberry
- 1260 Glow in the Dark

***Project instructions included after design list**

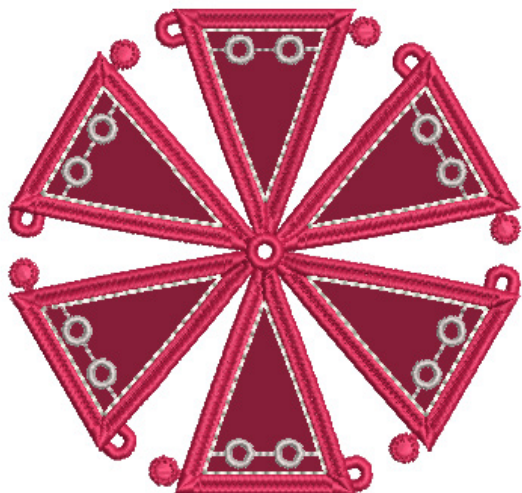
DESIGNS

Note: Some designs in this collection may have been created using unique special stitches and/or techniques. To preserve design integrity when rescaling or rotating designs in your software, always rescale or rotate designs using the handles directly on-screen.

*Fabric Required

12865-01 Rocket Nose FSA

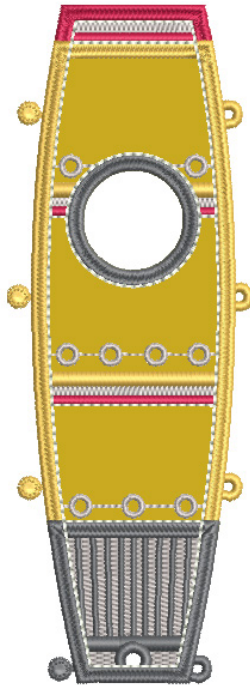
Size Inches: Size mm: Stitch Count:
3.75 X 3.96 in. 95.3 X 100.6 mm 15187 St.



- 1. Fiber Form/Front & Back Fabric Placement Stitch .. 1805
- 2. Front & Back Cut Line & Tackdown 1805
- 3. Cover Stitch 1805
- 4. Gray Detail 0142
- 5. Glow Detail 1260

Note: Some designs in this collection may have been created using unique special stitches and/or techniques. To preserve design integrity when rescaling or rotating designs in your software, always rescale or rotate designs using the handles directly on-screen.

***Fabric Required**

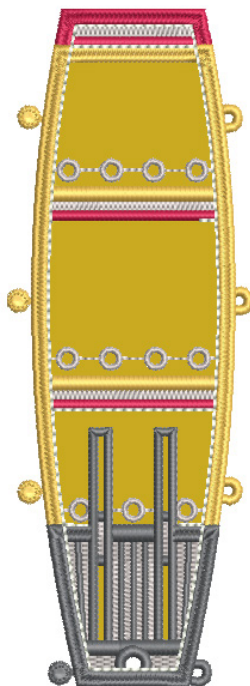


12865-02 Rocket Window Section FSA

Size Inches: Size mm: Stitch Count:
6.65 X 2.42 in. 168.9 X 61.4 mm 16652 St.

- 1. Fiber Form/Front & Back Fabric Placement Stitch .. 0142
- 2. Front & Back Cut Line & Tackdown 0142
- 3. Clear Vinyl Placement Stitch 0142
- 4. Cut Line & Tackdown..... 0142
- 5. Gray Detail 0142
- 6. Red Detail..... 1805
- 7. Gold Cover Stitch 0622
- 8. Dark Gray Cover Stitch 0138
- 9. Glow Detail 1260

***Fabric Required**



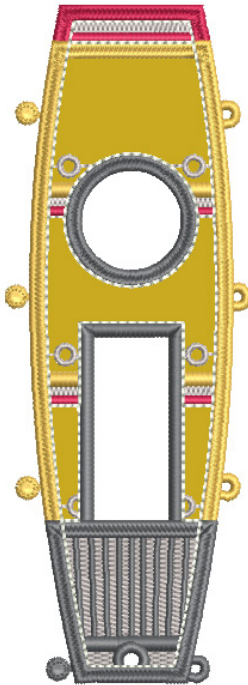
12865-03 Rocket Fin Section FSA

Size Inches: Size mm: Stitch Count:
6.65 X 2.42 in. 168.9 X 61.4 mm 16776 St.

- 1. Fiber Form/Front & Back Fabric Placement Stitch .. 0142
- 2. Front & Back Cut Line & Tackdown 0142
- 3. Gray Detail 0142
- 4. Red Detail..... 1805
- 5. Gold Cover Stitch 0622
- 6. Dark Gray Cover Stitch 0138
- 7. Glow Detail 1260

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***Fabric Required**



12865-04 Rocket Door Section FSA

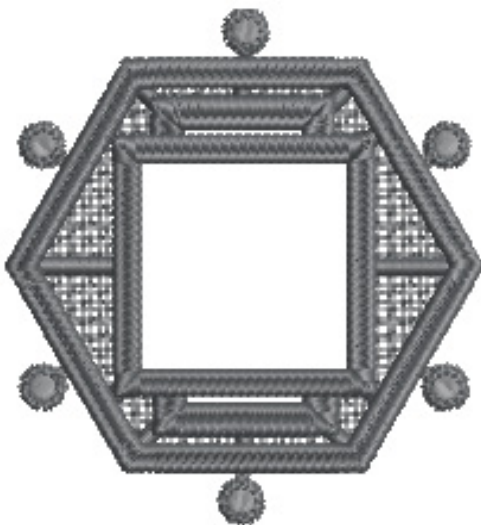
Size Inches: Size mm: Stitch Count:
6.65 X 2.42 in. 168.9 X 61.4 mm 17102 St.

- 1. Fiber Form/Front & Back Fabric Placement Stitch .. 0142
- 2. Front & Back Cut Line & Tackdown 0142
- 3. Clear Vinyl Placement Stitch 0142
- 4. Cut Line & Tackdown..... 0142
- 5. Gray Detail 0142
- 6. Red Detail..... 1805
- 7. Gold Cover Stitch 0622
- 8. Dark Gray Cover Stitch 0138
- 9. Glow Detail 1260

12865-05 Rocket Engine Floor FSL

Size Inches: Size mm: Stitch Count:
2.55 X 2.36 in. 64.7 X 59.9 mm 7149 St.

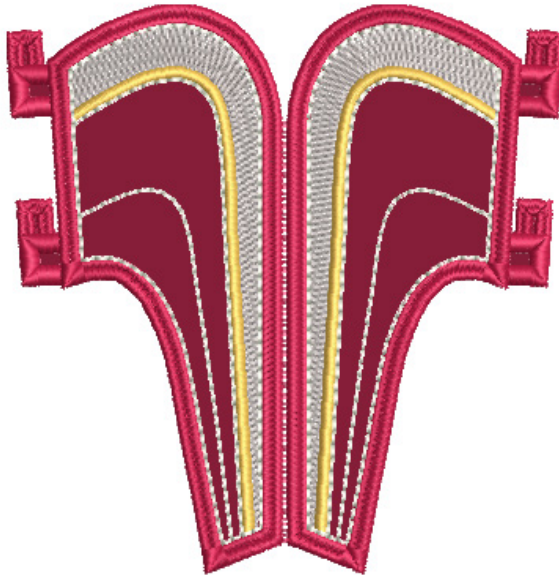
- 1. Single Color Design..... 0138



Note: Some designs in this collection may have been created using unique special stitches and/or techniques. To preserve design integrity when rescaling or rotating designs in your software, always rescale or rotate designs using the handles directly on-screen.

***Fabric Required**

12865-06 Rocket Fin FSA



Size Inches: Size mm: Stitch Count:
4.24 X 4.14 in. 107.7 X 105.2 mm 15927 St.

- 1. Fiber Form/Front & Back Fabric Placement Stitch .. 0142
- 2. Front & Back Cut Line & Tackdown 0142
- 3. Gray Detail 0142
- 4. Gold Detail..... 0622
- 5. Cover Stitch & Lace..... 1805
- 6. Glow Detail 1260

12865-07 Rocket Fire FSL



Size Inches: Size mm: Stitch Count:
6.56 X 3.75 in. 166.5 X 95.1 mm 21376 St.

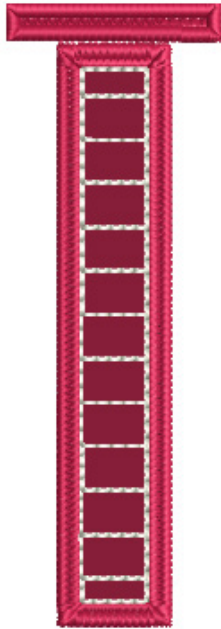
- 1. Gold Lace 0622
- 2. Orange Lace..... 1010
- 3. Red Lace 1805



Note: Some designs in this collection may have been created using unique special stitches and/or techniques. To preserve design integrity when rescaling or rotating designs in your software, always rescale or rotate designs using the handles directly on-screen.

*Fabric Required

12865-08 Rocket Ramp FSA



Size Inches:	Size mm:	Stitch Count:
4.07 X 1.41 in.	103.4 X 35.9 mm	4471 St.

- 1. Fiber Form/Front & Back Fabric Placement Stitch .. 1805
- 2. Front & Back Cut Line & Tackdown 1805
- 3. Cover Stitch 1805
- 4. Glow Detail 1260

Stabilizers

- OESD AquaMesh WashAway
- OESD BadgeMaster
- OESD Fusible Woven
- OESD Fiber Form 1 roll (10" x 2 yd)
- OESD Applique Fuse and Fix (recommended for pre-cut applique)

Fabrics/Textiles

- Yellow Fabric 1/4 yd
- Red Fabric 1/4 yd
- Black Fabric 1/2 yd
- Clear Vinyl Three, 2" x 2" squares
- NOTE: Fabric requirements are estimates and may leave an overage depending on hooping and cutting.

Notions & Tools

- OESD Expert Embroidery Tape WashAway
- Alligator Clamps
- Button Clips
- OESD Perfect Punch Tool
- Craft knife

Isacord Thread Colors

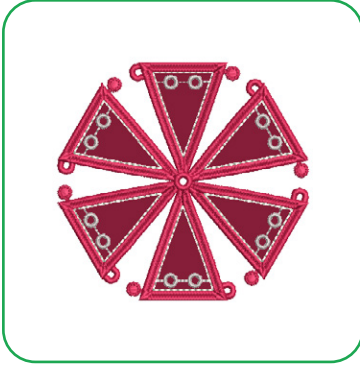
1 spool of each:

- 2922-0138 Heavy Storm
- 2922-0142 Sterling
- 2922-0622 Star Gold
- 2922-1010 Toast
- 2935-1260 ISA Texlight Glow in the Dark Thread
- 2922-1805 Strawberry

SUMMARY

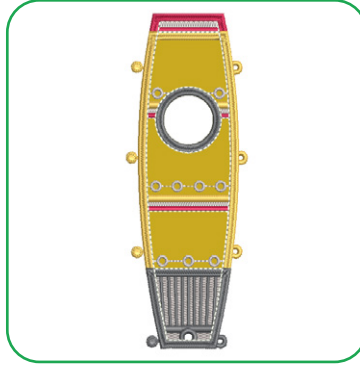


12865-01



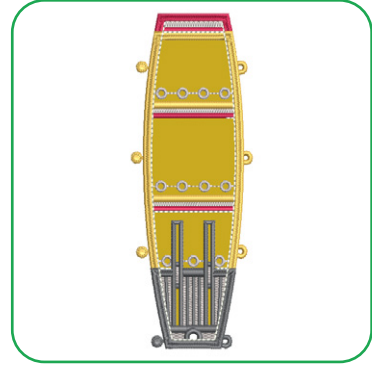
Requires 1 Design

12865-02



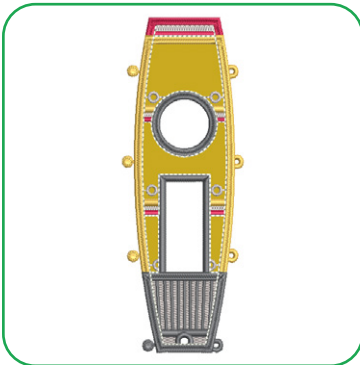
Requires 2 Designs

12865-03



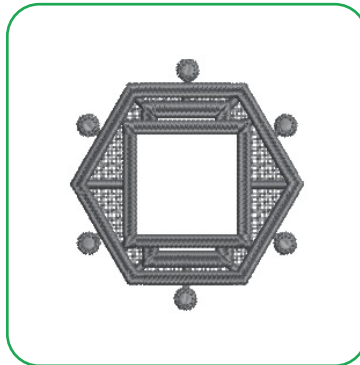
Requires 3 Designs

12865-04



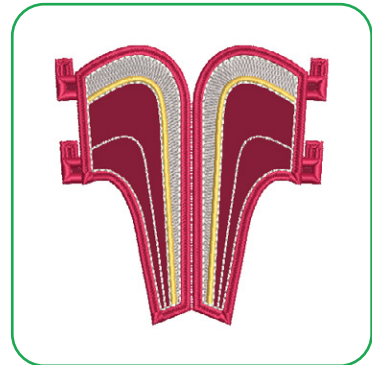
Requires 1 Design

12865-05



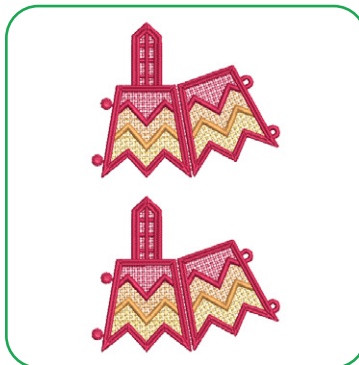
Requires 1 Design

12865-06



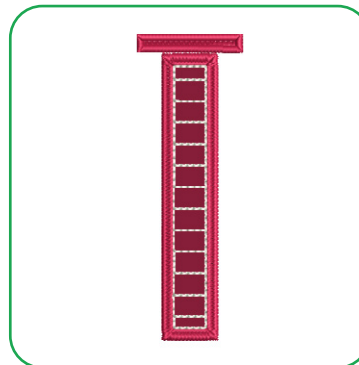
Requires 3 Designs

12865-07



Requires 1 Design

12865-08



Requires 1 Design

General Freestanding Lace Guide



Stabilizer

- OESD AquaMesh
- OESD BadgeMaster

Notions/Tools

- 80/12 Embroidery Ballpoint Titanium needle for extended needle life
- OESD Alligator Clamps
- OESD Button Clips
- OESD Perfect Point and Press Tool

Isacord Thread Colors

- All OESD designs are digitized with Isacord 40 wt. polyester thread as the top thread and in the bobbin.
- Refer to the thread chart for color specifications.
- Match bobbin thread color to the top thread.

Instructions

Step 1 - Hoop

For FSL structures, hoop one layer of OESD AquaMesh and one layer of OESD BadgeMaster. BadgeMaster contains more starch so, combined with the AquaMesh, the lace is more rigid. For other FSL, where a softer lace is desired, hoop two layers of AquaMesh.

Step 2 - Embroider

Stitch the design per the thread chart with matching thread in the bobbin at each color change. When complete, remove from the hoop and trim away excess stabilizer about 1/4"-1/2" from the stitching.

Step 3 - Rinse

Rinse remaining stabilizer out in warm running water. For stiffer lace and FSL structures, DO NOT rinse away all of the stabilizer. The lace should be just slightly tacky. For softer lace, rinse until all traces of the stabilizer is removed.

Step 4 - Dry

Lay right side down flat on a non-stick surface, such as a cookie rack, parchment paper or Teflon sheet. This minimizes the tendency for the lace to curl. Let the pieces dry completely before proceeding with any assembly.

Step 5 - Press

Once completely dry, press right side down on a OESD Perfect Embroidery Press Cloth.

Step 6 - Assemble Structure

Note: Specific assembly instructions for a design/collection may be found in the thread chart pdf following the individual design color charts.

Lace must be COMPLETELY DRY before assembly. Wetting the buttonettes or eyelets to assemble is not recommended and may result in them stretching and coming "unbuttoned" when dry.

Use a pair of OESD Alligator Clamps to insert the buttonettes into the eyelets. Insert the tip of the OESD Alligator Clamps into the eyelet, grasp the buttonette and pull through the eyelet. Alternatively, use a stiletto or tweezers to push the buttonette through the eyelet.

Helpful Tips

Limp Lace

If the design is not stiff enough, press the lace pieces on the wrong side while applying spray starch. After ironing, spray again with starch and allow to dry completely. This will stiffen the lace pieces nicely and aid in construction. Or easily re-stiffen by diluting some stabilizer scraps in water (or use liquid starch) and dipping the item in the solution. Lay flat to dry.

Eyelets Too Small

If any of the eyelets appear closed or too small to penetrate with Alligator Clamps, they may be stretched by inserting the small end of the OESD Perfect Point and Press Tool into the eyelet opening and stretching it open wide enough to accommodate the OESD Alligator Clamps.

Button Clips

During the assembly process, some structures pull on buttonettes that have already been inserted and could pull them out altogether. Putting a Button Clip on the assembled buttonette will keep it in position during the assembly process. Remove the Button Clips when the assembly is complete.

Alternative Construction Option

In some cases, the buttonettes may be pulled to the inside of a project, instead of being visible on the outside. Insert the OESD Alligator Clamps through the eyelet from the wrong, or inside, of the lace and grasp the corresponding buttonette. Pull the buttonette to the wrong side of the lace.

Pulling the buttonettes to the inside may cause stress on the ones already done. Button clips may be placed on the completed buttonette(s) to prevent them from pulling out of the eyelet.

PREPARATION



NOTES

- The applique instructions included in the design pack are general instructions for the collection. For demonstration purposes, a sample design that best represents the entire collection is shown. Fabric and thread requirements will vary by design, but the general technique will be the same.
- All designs are stitched with matching thread in the top and bobbin.
- Use the templates (following these instructions) for precutting applique pieces and Fiber Form by hand.
- SVG files are also included for use with digital cutting machines.

STEP 1

Cut fabric:

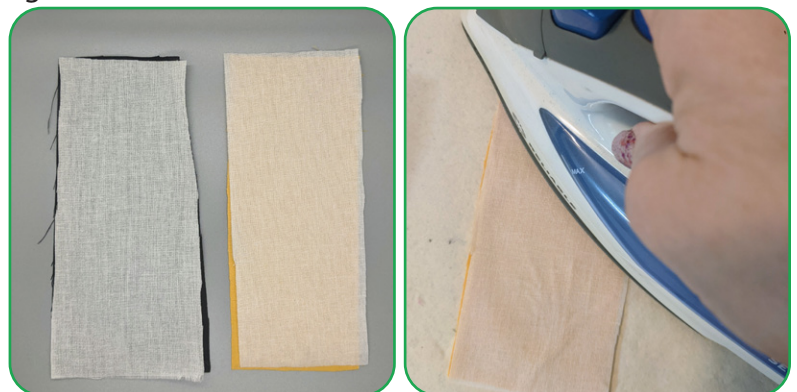
- (6) 3" x 8" of each of yellow and black for rocket side sections
- (1) 1.5" x 4.5" of red and black for rocket ramp
- (1) 4.5" x 4.5" of red and black for rocket nose cone
- (3) 5" x 5" of red and black for rocket wings

Fiber Form Sizes:

- Six 3" x 8" rocket side sections
- One 4 ½" x 4 ½" rocket nose
- Three 5" x 5" rocket wings
- One 1 ½" x 4 ½" rocket ramp

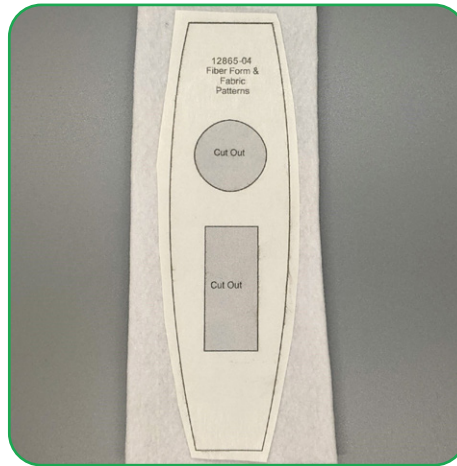
STEP 2

- Prep all yellow, black, and red fabric pieces with Fusible Woven fused to the back of the fabric.
- Note: All applique pieces have black fabric lining.



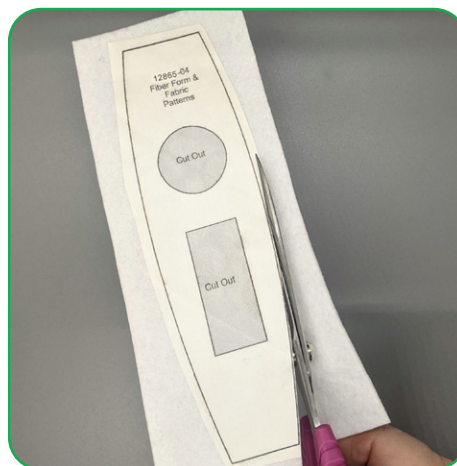
STEP 1

- Select the appropriate mirrored template for the selected design. Design in the example is 04.
- Print the mirrored template for design 04 onto the paper side of a piece of OESD Applique Fuse and Fix.
- Cut out the template about 1/4" from the outline.
- Fuse the printed template to a piece of OESD Fiber Form.



STEP 2

- Cut out the template pieces on the black line.



EMBROIDERY



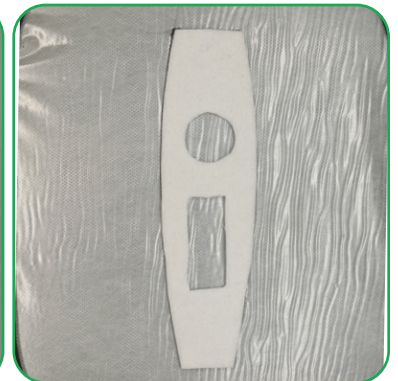
STEP 3

- Hoop one layer of OESD BadgeMaster with one layer of OESD AquaMesh.
- Stitch Machine Step 1, Fiber Form/Front & Back Fabric Placement Line.
- Remove the hoop from the machine, but do Not remove the project from the hoop.



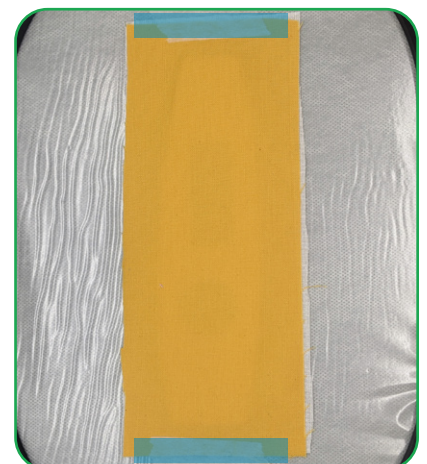
STEP 4

- Remove the paper from the back of the Fiber Form to reveal the sticky surface.
- Position the Fiber Form piece within the Placement Line.



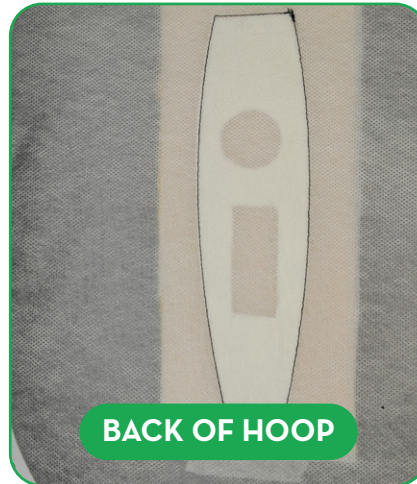
STEP 5

- Cover the Fiber Form with yellow fabric, right side up.
- Tape in place to secure.



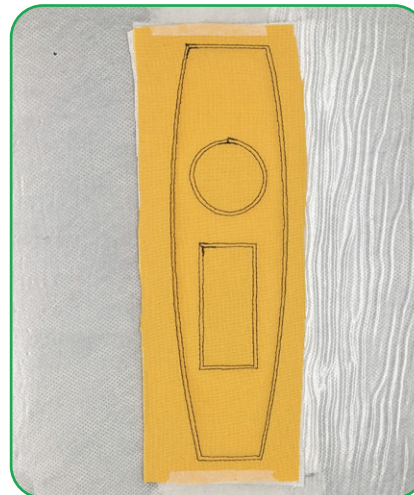
STEP 6

- Turn the hoop over and position the black fabric over the placement line.
- Tape in place to secure.



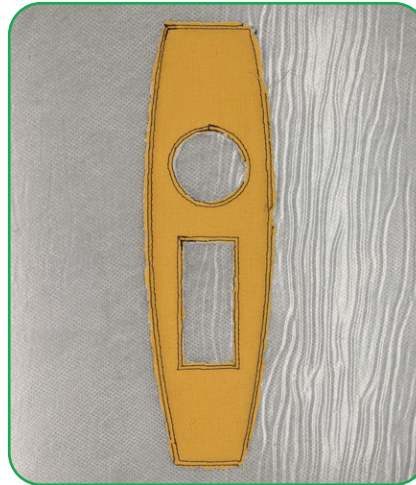
STEP 7

- Return the hoop to the machine.
- Stitch Machine Step 2, Front & Back Cut Line & Tackdown.



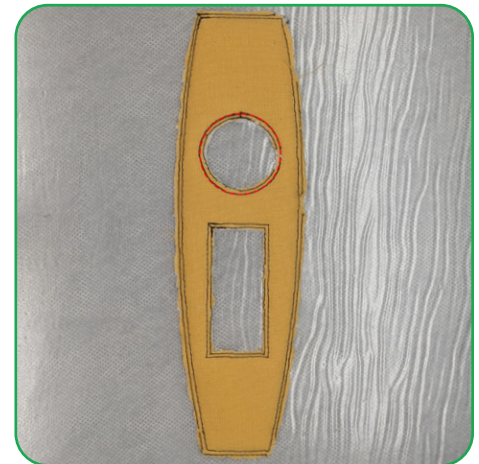
STEP 8

- Remove the hoop from the machine, but NOT the project from the hoop.
- With the hoop on a flat surface, trim the yellow fabric close to the tackdown stitch.
- Turn hoop over and trim black fabric close to the tackdown stitch.



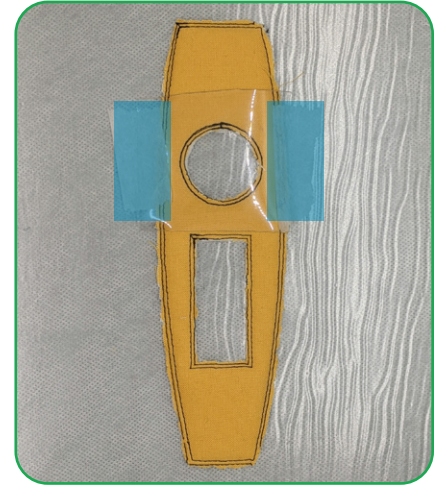
STEP 9

- Return the hoop to the machine.
- Stitch Machine Step 3, Clear Vinyl Placement Stitch.



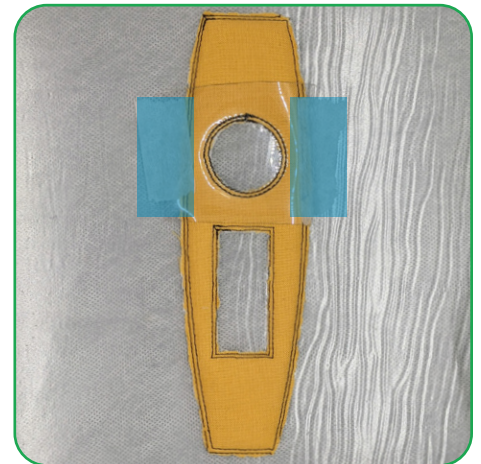
STEP 10

- Place the vinyl over the placement stitch, covering entirely.
- Tape in place.



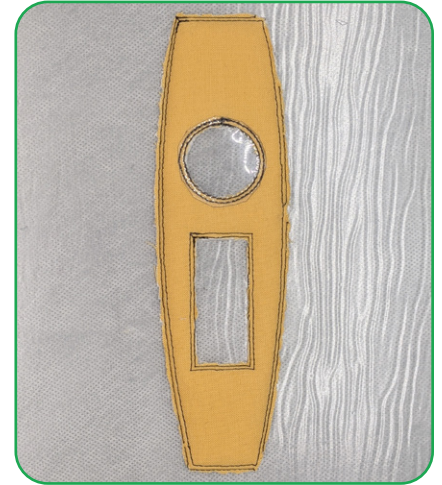
STEP 11

- Return the hoop to the machine.
- Stitch Machine Step 4, Cut Line and Tackdown.



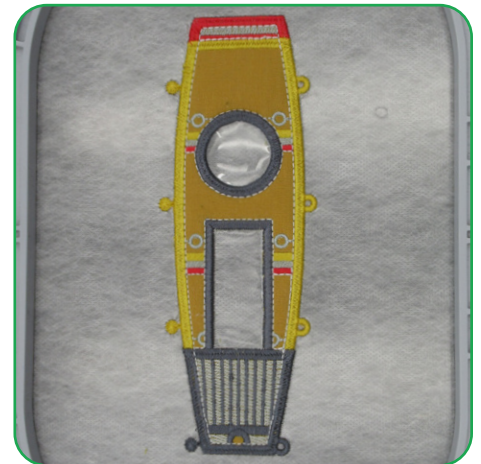
STEP 12

- Remove the hoop from the machine, but DO NOT remove the project from the hoop.
- Trim the clear vinyl right next to the stitching.



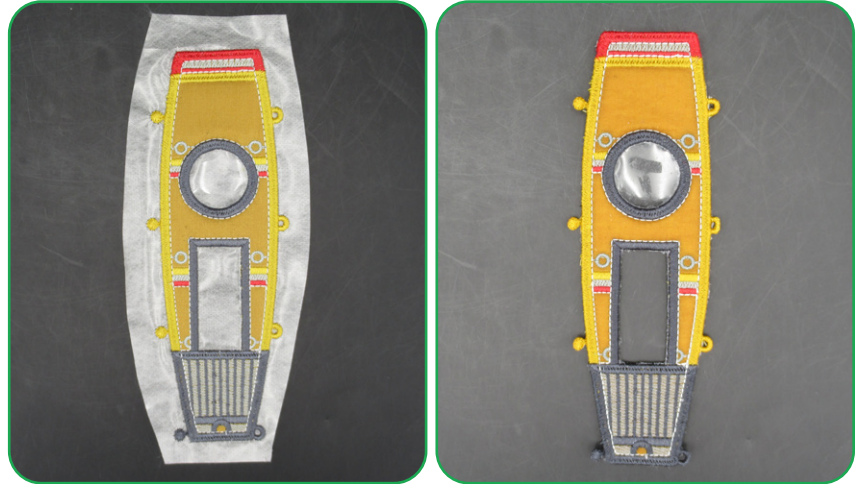
STEP 13

- Match the bobbin to the top thread on each of the remaining colors.
- Return the hoop to the machine and stitch the remaining colors.



STEP 14

- Remove the hoop from the machine and the project from the hoop. New bullet: Trim the stabilizer about 1/4" from the design.
- Rinse in warm running water until slightly sticky.
- Press face down on a Perfect Embroidery Press Cloth.
- **CAUTION** - Do not apply direct heat to the clear vinyl window to prevent melting.



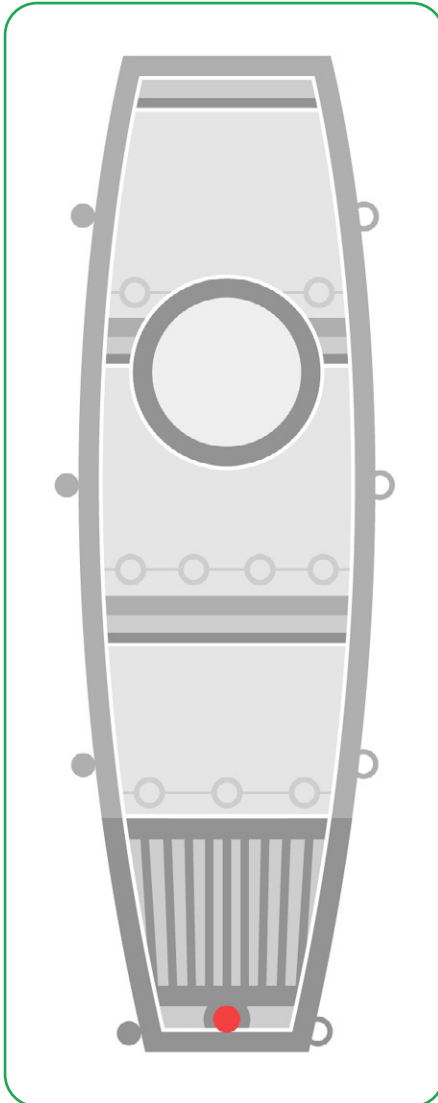
ASSEMBLY



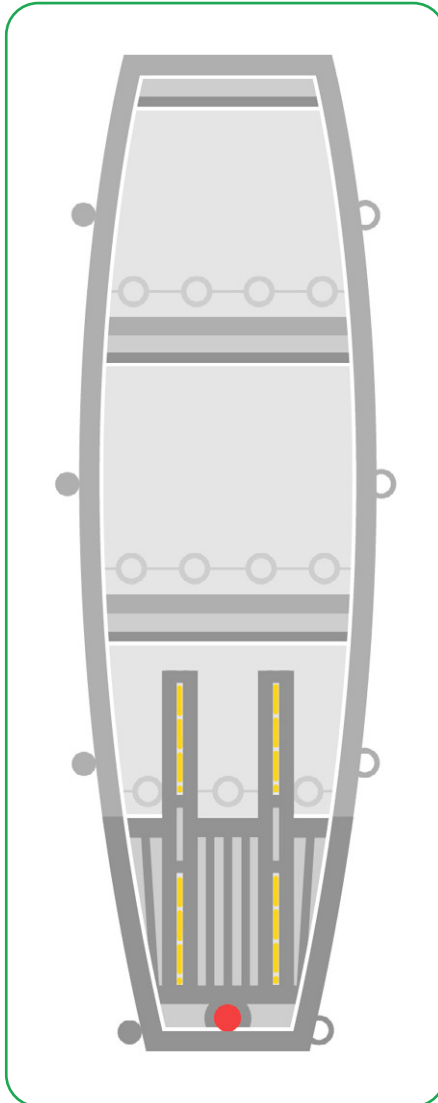
STEP 1

- Assembled measurements- Approx. 9 ½" height, 5 ½" width, 6 ½" depth
- Using the OESD Perfect Punch Tool fitted with the 3mm tip, punch out the designated eyelets on all FSA Rocket sections, designs 02, 03, and 04.

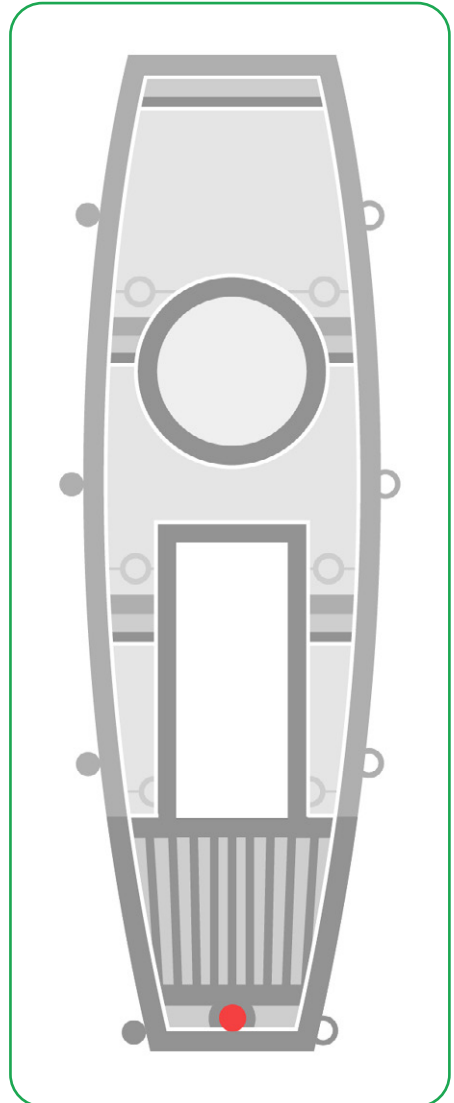
12865-02





12865-03




12865-04



 = 2 MM

 = 3 MM

 = 4 MM

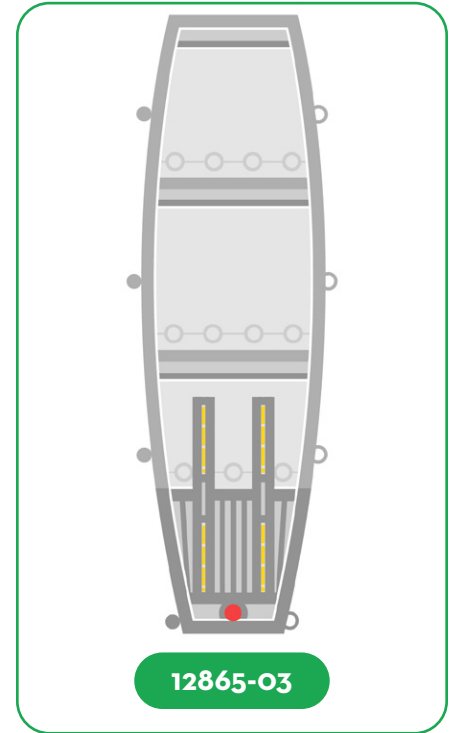
CRAFT KNIFE



ASSEMBLY

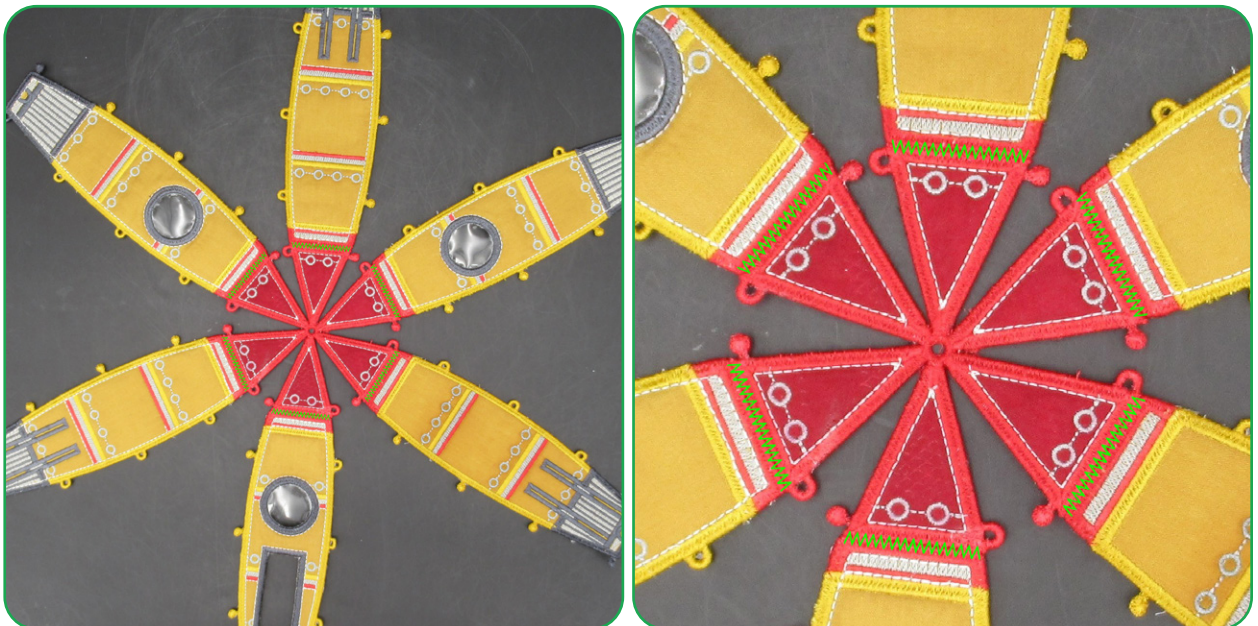
STEP 2

- Using a craft knife, cut completely through all the layers of fabric and Fiber Form on the 3 panels that fit the fins, design 03. Be sure to cut only in the 4 fabric spaces shown in yellow on the image. Refer to the cutting guides for placement.



STEP 3

- Using a zigzag stitch, sew the 6 yellow side rocket sections to the red nose piece, backstitching at the beginning and end. Match top and bobbin thread to the nose piece.
- Alternate door and window sections with the 3 fin section pieces as shown.
- Note: Stitched in green for visibility.



ASSEMBLY



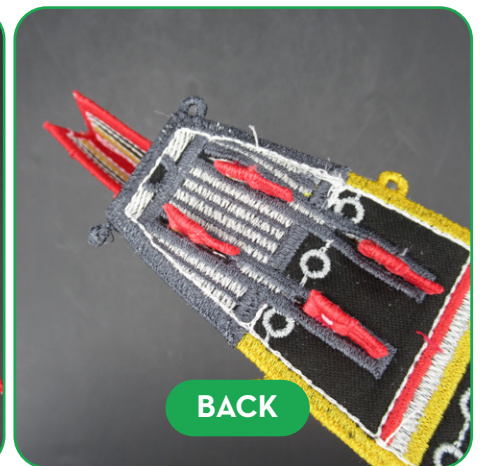
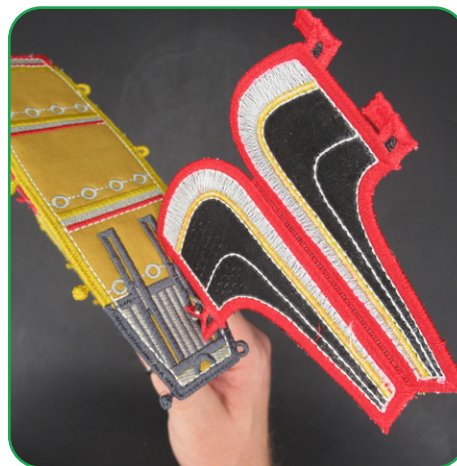
STEP 4

- Fold the fin in half on the hinge.



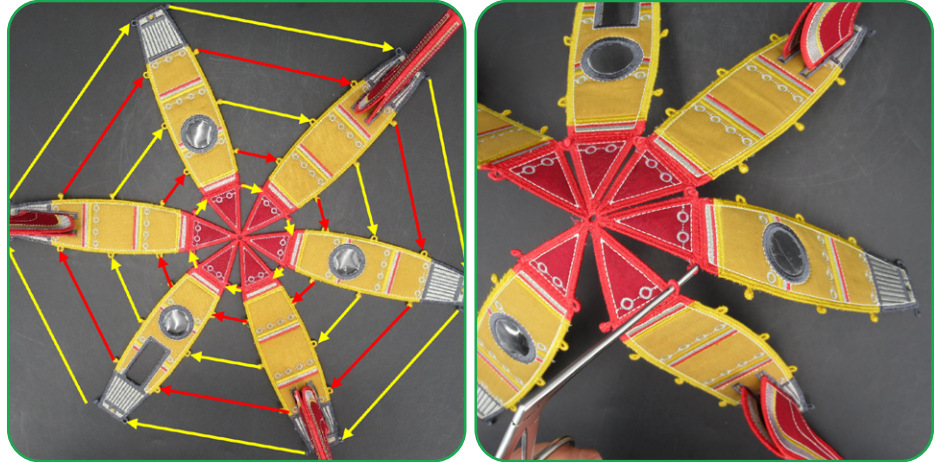
STEP 5

- Insert the right-side tabs into the right-side tab entry points on one the Rocket Fin Section FSA pieces, pulling from the back.
- Insert the left tabs into the left side tab entry points pulling from the back.
- Repeat this process for the 2 remaining fins.



STEP 6

- Starting at the nose, button the 6 red buttonettes to the corresponding eyelets as shown.
- Continue to work around the rocket ending at the 6 gray buttonettes.



STEP 7

- Button the 4 buttonettes on the Rocket Fire FSL piece as shown.

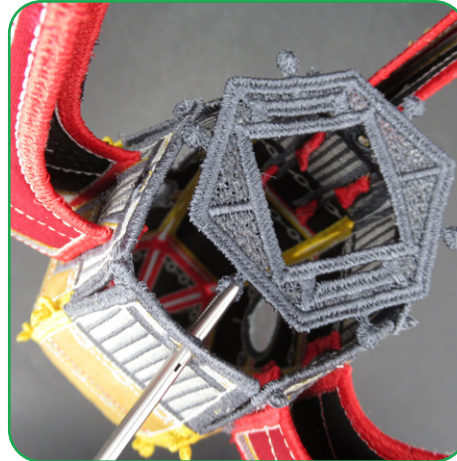


ASSEMBLY



STEP 8

- Pull 3 of the buttonettes on the FSL Engine Floor through 3 of the gray eyelets at the base of the rocket.
- Insert the 2 tabs from the FSL Fire section in the 2-tab entry points on the FSL Engine Floor.
- Finish pulling the remaining 3 buttonettes on the floor through the remaining eyelets in the base of the rocket.
- To adjust the fire, go through the open door and pull up on the fire tabs.



STEP 9

- Insert the ramp into the open door at an angle and then turn to set it in place.



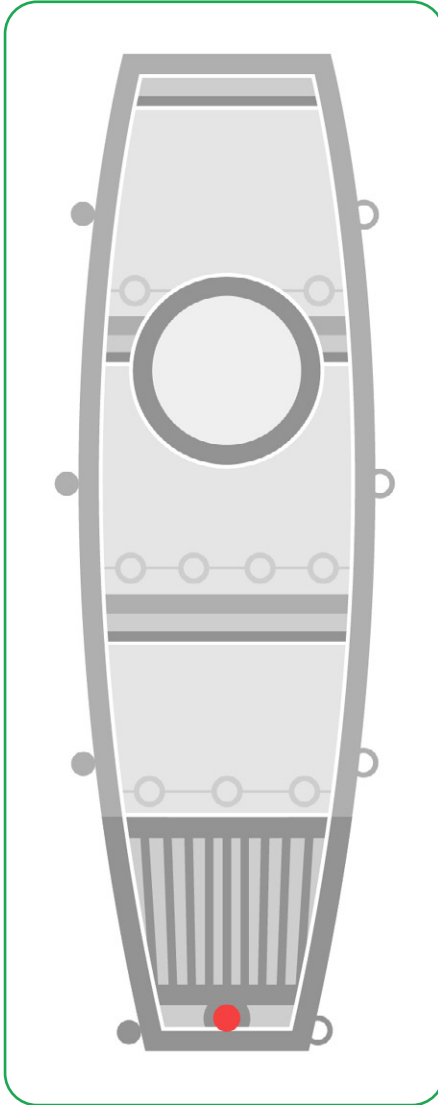
ASSEMBLY

STEP 10

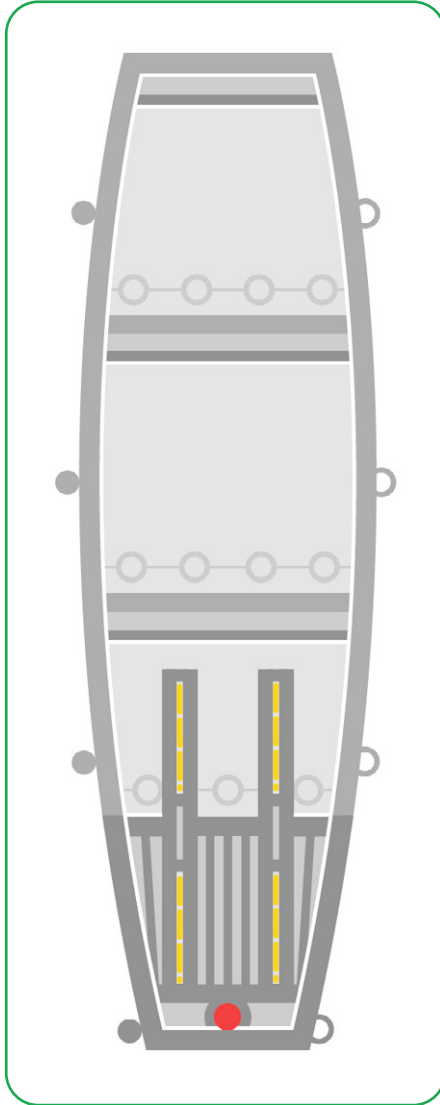
- The rocket is completed. Enjoy.



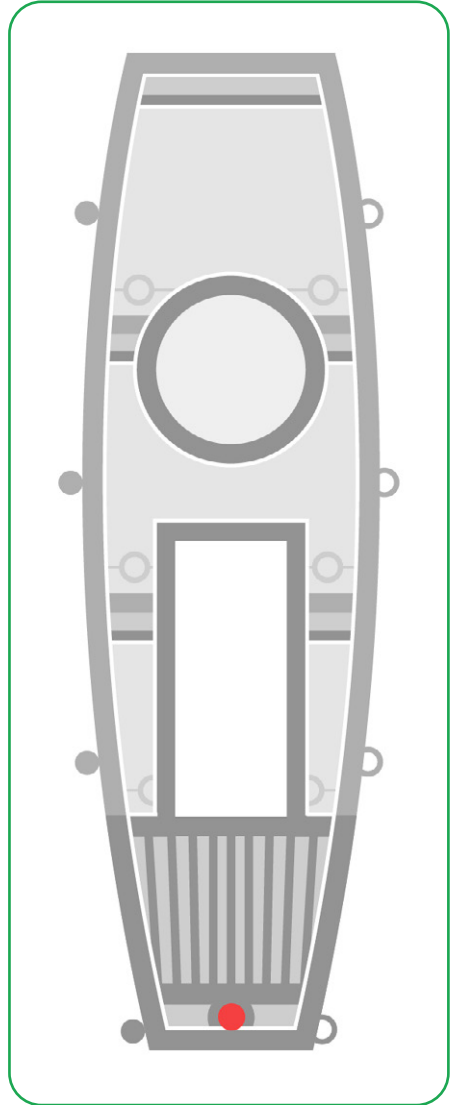
12865-02



12865-03



12865-04



● = 2 MM

● = 3 MM

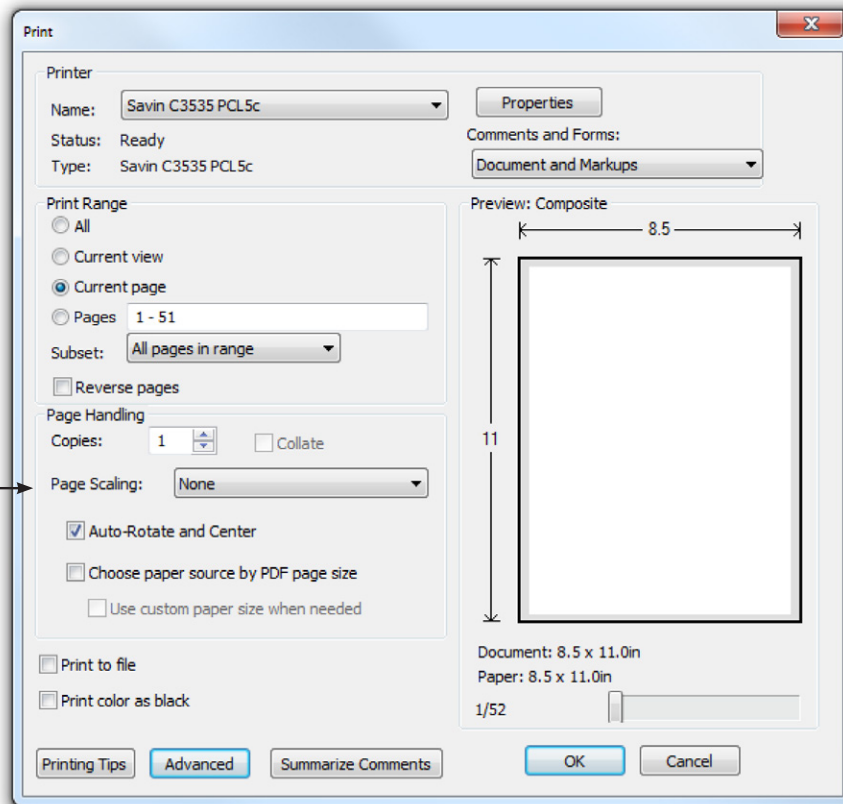
● = 4 MM

CRAFT KNIFE



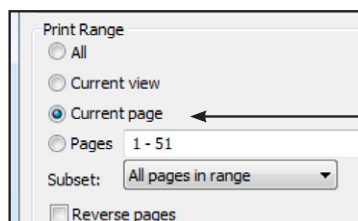
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TO SAVE PAPER

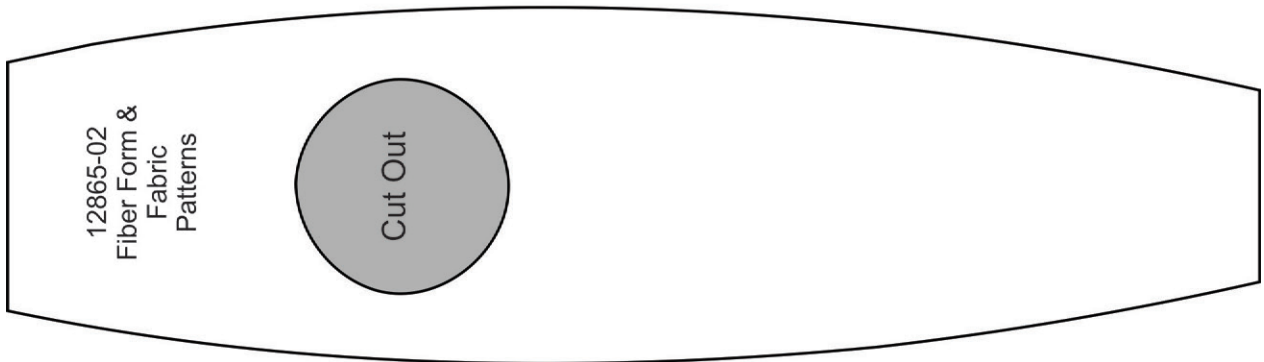
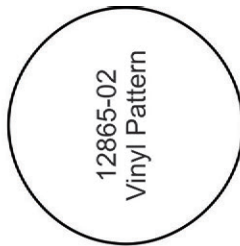
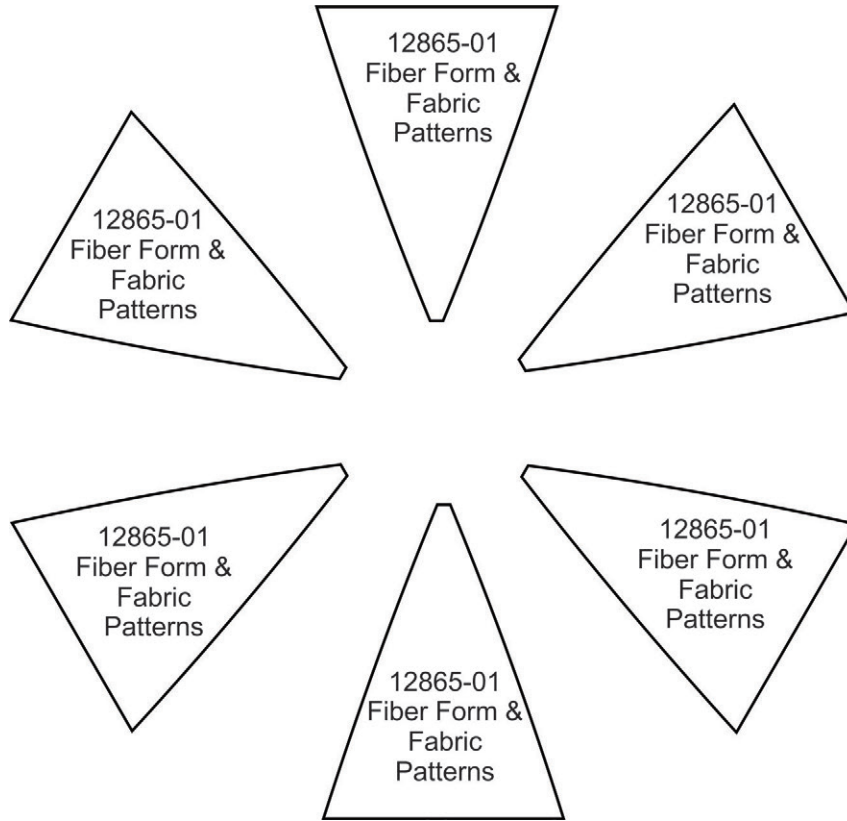
Only print the desired image by navigating to the image's page, go to File > Print and select "Current page" in the print dialog box. Repeat for each desired image.



APPLIQUE PATTERNS



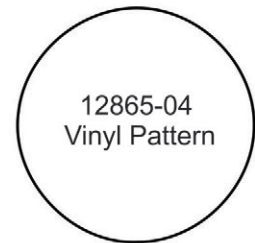
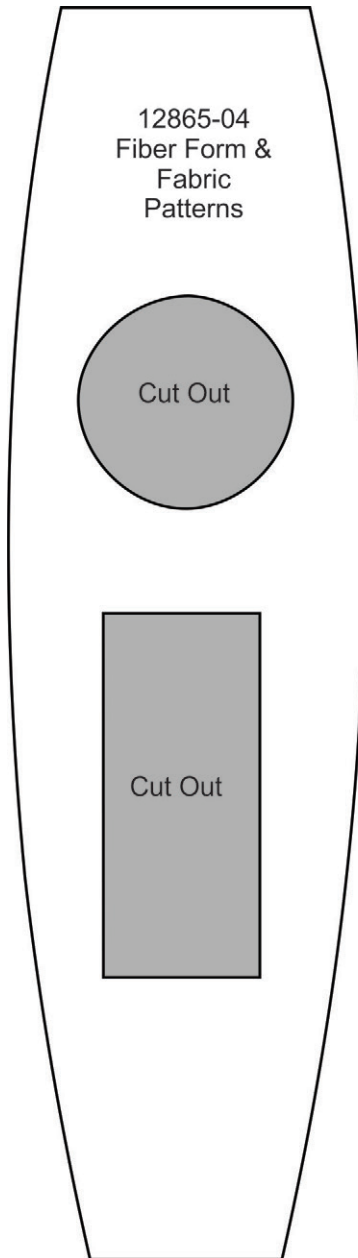
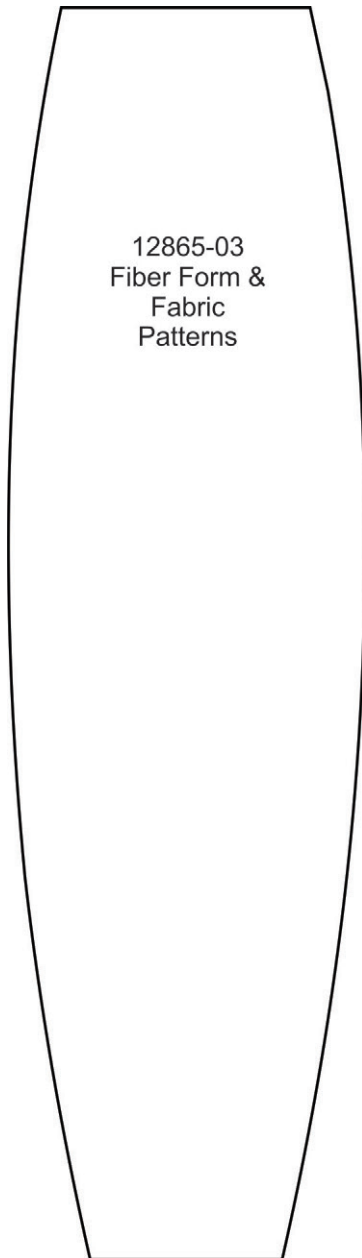
Print at 100%. No scaling. This box measures 1" x 1". Use the box as an accuracy guide when printing templates.



APPLIQUE PATTERNS



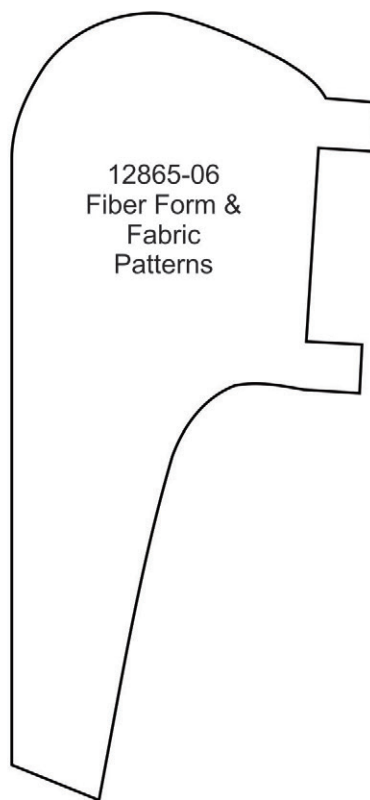
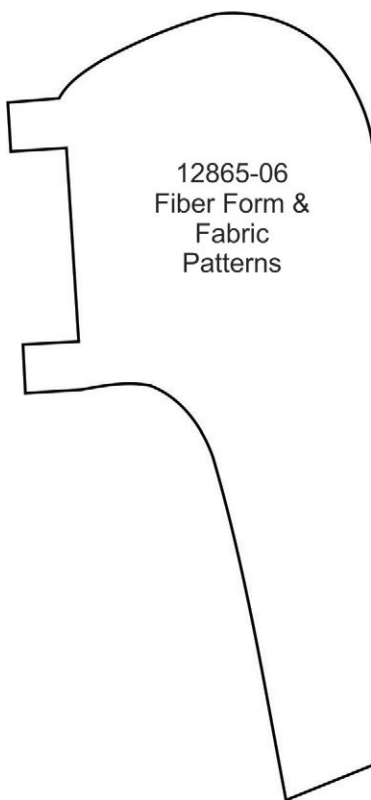
Print at 100%. No scaling. This box measures 1" x 1". Use the box as an accuracy guide when printing templates.



APPLIQUE PATTERNS



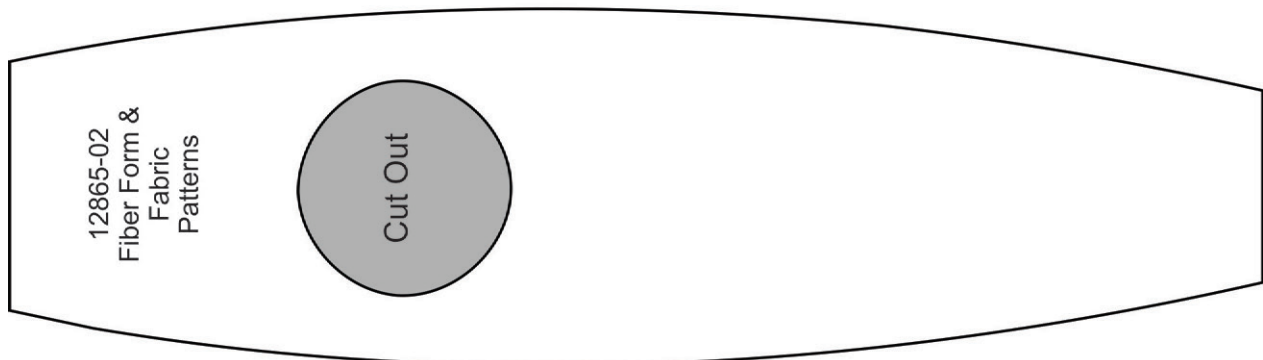
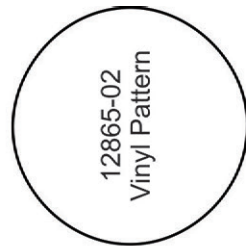
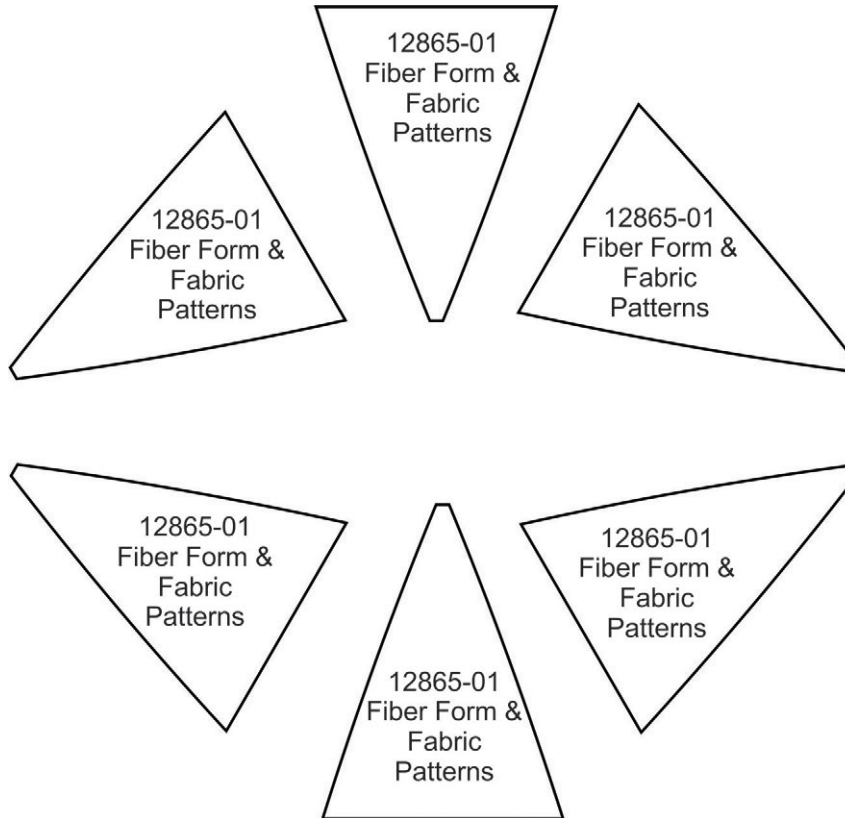
Print at 100%. No scaling. This box measures 1" x 1". Use the box as an accuracy guide when printing templates.



MIRRORED PATTERNS



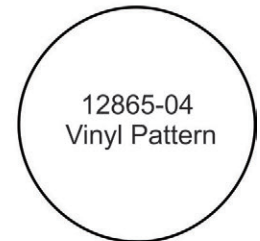
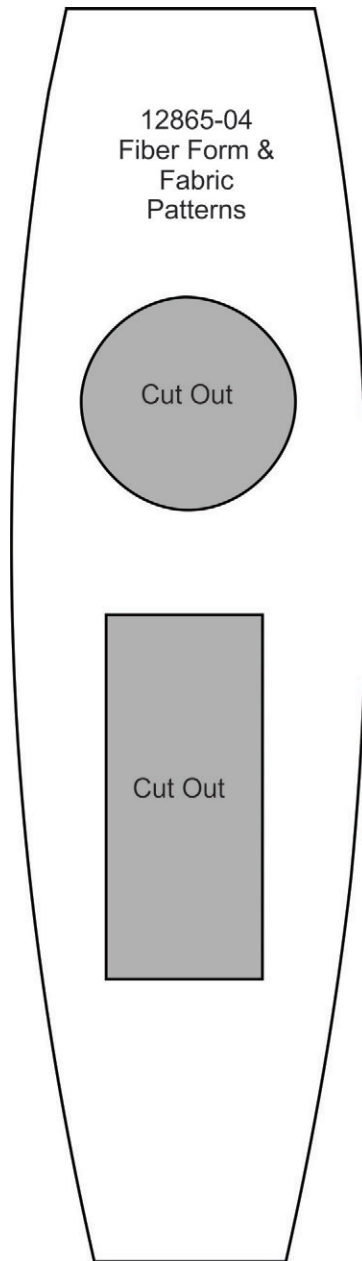
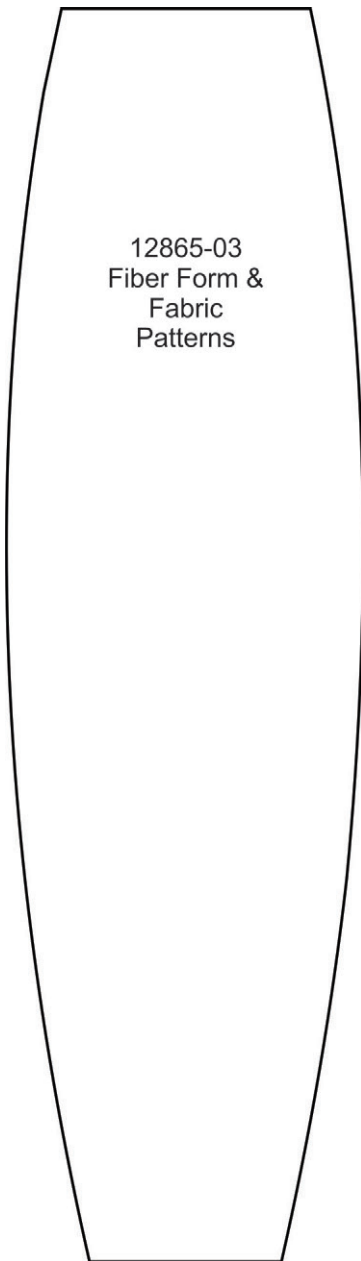
Print at 100%. No scaling. This box measures 1" x 1". Use the box as an accuracy guide when printing templates.



MIRRORED PATTERNS



Print at 100%. No scaling. This box measures 1" x 1". Use the box as an accuracy guide when printing templates.



MIRRORED PATTERNS



Print at 100%. No scaling. This box measures 1" x 1". Use the box as an accuracy guide when printing templates.

