

From file setup to font and colour selection, this resource helps you navigate the key elements of embroidery design to avoid common mistakes and produce sharp, high-quality embroidered designs.



## File requirements for embroidery designs

**Accepted file formats:**

JPG, PNG, GIF, SVG, BMP, PDF

**File resolution:**

Your file must be 300dpi for a high-quality design.

**File size:**

The maximum file size for embroidery is 25MB.

## Fonts and typeface advice

0.25" H [ a ]

Minimum text size for lower case letters 0.2" H.

0.3" H [ A ]

Minimum text size for upper case letters is 0.3" H.

**Any text under these height specifications will require a run stitch and will not come out the way you envisioned.**

*Bb*

**Script**

(example: Pinyon Script)

fonts **work** best for embroidery because the text is connected.

**Bb**

**Sans-serif fonts**

(example: Arial)

will also **work** because there is enough spacing between the letters to ensure legibility.

**Bb**

**Serif fonts**

(example: Times New Roman)

**do not work** well in embroidered designs because there are small details on the fonts that will not be legible in embroidery.

**If you need more help, contact us:**

entripcorporate@entripy.com | 1-888-694-1260

## Common mistakes to avoid

### Photography

Photography and photorealistic designs **are not suitable** for embroidery because the thread will not capture the fine details and various colours. For best embroidery results, **convert your design to a simple shape** with solid colours.

### Complex design

Complex designs are not suitable for embroidery because the complexity will not be captured by the thread, particularly in a small design area. For best embroidery results, **convert your design to a simple shape** with solid colours.

### Colours

Too many colours will likely exceed the thread count limit. Consider limiting your colours to 7.

### Small text

Small text may not be legible in your final design. **Minimum text size for lower case letters is 0.25" H.** If your text is smaller than 0.25" H, a run stitch will be used, and the design may not render consistently.

### Gradient

Gradients and shading cannot be created through embroidery. The blended colours will be changed to solid colours with clean lines.



Incorrect



Correct



Incorrect



Correct



Incorrect



Correct



Incorrect



Correct



Incorrect



Correct



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## Embroidery types & styles

### Flat embroidery

Flat embroidery is mostly used for small details and embroiders the design flat onto the garment. It includes techniques such as Satin Stitch, Run Stitch, Tatami Fill and Column Stitch. Text smaller than 0.25" H will be created with a run stitch and will not render consistently.

Minimum thickness for shapes: 0.05"

Maximum thickness for shapes: 0.5"

Minimum height for lower case font: 0.25" H

Minimum height for upper case font: 0.3" H

#### Satin stitch

A satin stitch uses parallel, tight stitches to create a shiny, smooth texture, resembling satin fabric; it's used for filling shapes.



#### Run stitch

A run stitch is used for small elements in a design. For example, fine details, lines and text smaller than 0.25" H.

Minimum thickness for shapes: 0.05"



#### Tatami fill

A tatami fill uses overlapping parallel stitches to create a textured, grid-like background. It's used to fill areas in a design larger than 0.5".



#### Column stitch

A column stitch uses a zigzag stitching method to create straight, vertical stitches for solid, defined shapes or lettering.



NOTE: Based on the design provided and the resulting digitized file, we will select the embroidery type that will best handle the production of the final design.

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 <b>LIGHT GOLD</b> 0532	 <b>*CAMPFIRE</b> 1102	 <b>PEACH</b> 1362	 <b>PEACH PINK</b> 2152	 <b>*OLIVE GREEN</b> 5833	 <b>*CAROLINA BLUE</b> 3820	 <b>SILVER</b> 0142
 <b>SILVER BEIGE</b> 0873	 <b>*ORANGE</b> 1304	 <b>*BEIGE</b> 1172	 <b>*BLOSSOM</b> 2320	 <b>OLIVE</b> 0453	 <b>ROYAL TEAL</b> 4103	 <b>*LIGHT GREY</b> 3971
 <b>BRIGHT GOLD</b> 0822	 <b>*BRIGHT RED</b> 1703	 <b>CHOCOLATE</b> 1342	 <b>LAVENDER</b> 3045	 <b>DARK GREEN</b> 5422	 <b>*LIGHT BLUE</b> 3900	 <b>*SILVER GREY</b> 0150
 <b>*OLD GOLD</b> 0552	 <b>SCARLET</b> 1902	 <b>*BROWN</b> 1055	 <b>*LIGHT PURPLE</b> 2830	 <b>*FOREST GREEN</b> 5326	 <b>*BRIGHT ROYAL</b> 3600	 <b>DARK SILVER</b> 0131
 <b>*ANTIQUÉ GOLD</b> 0542	 <b>*CRIMSON</b> 1912	 <b>DARK BURGUNDY</b> 2115	 <b>*PLUM</b> 2720	 <b>DARK FOREST</b> 5374	 <b>*ENTRIPTY BLUE</b> 3333	 <b>*STEEL GREY</b> 4073
 <b>*BRASS</b> 6133	 <b>CARDINAL RED</b> 2101	 <b>*DARK BROWN</b> 1355	 <b>DARK PURPLE</b> 2900	 <b>*MINT</b> 5650	 <b>DARK ROYAL BLUE</b> 3544	 <b>STEEL</b> 2674
 <b>*LEMON</b> 0605	 <b>*BURGUNDY</b> 2222	 <b>*MAROON</b> 1366	 <b>*LIME GREEN</b> 5912	 <b>*PAV TEAL</b> 4410	 <b>*ROYAL BLUE</b> 3102	 <b>GREY</b> 0108
 <b>*GOLD</b> 0702	 <b>*LIGHT BEIGE</b> 0870	 <b>*BABY PINK</b> 2363	 <b>BRIGHT GREEN</b> 5613	 <b>DARK TEAL GREEN</b> 4133	 <b>LIGHT NAVY</b> 3353	 <b>*STONE GREY</b> 0112
 <b>*MANGO</b> 0800	 <b>LIGHT PEACH</b> 1060	 <b>PINK</b> 2560	 <b>MEDIUM GREEN</b> 5531	 <b>*BABY BLUE</b> 3650	 <b>*NAVY</b> 3355	 <b>DARK GREY</b> 0132
 <b>GOLDEN MOCHA</b> 0821	 <b>MOCHA</b> 1141	 <b>LIGHT LAVENDER</b> 2650	 <b>FRESH GREEN</b> 5415	 <b>*POWDER BLUE</b> 3910	 <b>WHITE</b> 0010	 <b>BLACK</b> 0020