

Welcome to the Vermillion Stitchery's Designs for Machine Embroidery!!

In case this is the first time you are using design files either downloaded from the Internet or taken directly from a CD, we hope to help you in learning how to use our files to achieve perfect results in your stitching. Reading through the subjects covered here, will make your stitching experience much more rewarding!

CROSS STITCH DESIGNS. Cross Stitch for the machine, is a very simple stitch that allows a design to achieve wonderful shading, depth and detail. It is composed of the regular Cross Stitches as well as a Back-stitch which outlines the Cross Stitches, in mostly every design. Occasionally, there may also be small French Knots stitches in a design as well. There are many quite small stitches in each design, so Cross Stitch designs are quite dense and require careful stabilization. (See STABILIZATION hints below - VERY IMPORTANT).

No special software is required to stitch Cross Stitch designs on your machine. You only need your machine's software and to follow the normal procedure that you use to transfer our machine format files (Hus, Pcs, Pes, Sew or Jef, and XXX) to your hard drive or a floppy.

Color Stop PDF FILES

Each of our designs is accompanied by an Adobe Acrobat PDF file which is to be used with Adobe Acrobat Reader software. This PDF file gives you the correct Color Stops listing you will need for an accurate color stitchout. **You must have the Adobe Acrobat Reader program installed on your computer.**

This program is included on our CDs in the Adobe Acrobat Folder or Subdirectory. If you do not have this software on your machine, you may install it from the Adobe Acrobat subdirectory.

USING the PDF Files. You should open the PDF file for the design you wish to stitch in Adobe Acrobat, then print it out. If you do not have a color inkjet type printer, you can still print out the file with a laser printer. The colors will show as grays, but the Color Stop Number is the important item of which you will need to keep track. The PDF files will be used to follow the correct color stop order to stitch your design.

Design Sizes Information

At the top of each PDF file is a section that lists information relating to the sizes of the designs. The types of information you can see here are:

File Name and Machine Filetype


Design Size of the stitched design

Minimum **Hoop Size** required

The **Total Color Stops** are also listed in the top portion of the PDF file. See below for more information on this number.

The Section below the sizes is the Thread Color Stop Listing area. (See next page.)

Typical PDF file Printout



Vermillion
Stitchery *machine embroidery*

Black & White Norwegian

Design No: 30806
Total Color Stops: 22


File Name	Design Size	Hoop Size	Total Stitches
BMNorwegian12	110mm x 122mm (4.33" x 4.80")	100mm x 240mm (3.9" x 9.4")	36133
BMNorwegian14	110mm x 144mm (4.33" x 5.67")	100mm x 240mm (3.9" x 9.4")	25738
BMNorwegian16	110mm x 166mm (4.33" x 6.54")	100mm x 240mm (3.9" x 9.4")	25738
BMNorwegian18	110mm x 188mm (4.33" x 7.41")	100mm x 240mm (3.9" x 9.4")	25738
BMNorwegian20	110mm x 210mm (4.33" x 8.28")	100mm x 240mm (3.9" x 9.4")	25738
BMNorwegian22	110mm x 232mm (4.33" x 9.15")	100mm x 240mm (3.9" x 9.4")	25738
BMNorwegian24	110mm x 254mm (4.33" x 10.02")	100mm x 240mm (3.9" x 9.4")	25738
BMNorwegian26	110mm x 276mm (4.33" x 10.89")	100mm x 240mm (3.9" x 9.4")	25738
BMNorwegian28	110mm x 298mm (4.33" x 11.76")	100mm x 240mm (3.9" x 9.4")	25738
BMNorwegian30	110mm x 320mm (4.33" x 12.63")	100mm x 240mm (3.9" x 9.4")	25738
BMNorwegian32	110mm x 342mm (4.33" x 13.50")	100mm x 240mm (3.9" x 9.4")	25738
BMNorwegian34	110mm x 364mm (4.33" x 14.37")	100mm x 240mm (3.9" x 9.4")	25738
BMNorwegian36	110mm x 386mm (4.33" x 15.24")	100mm x 240mm (3.9" x 9.4")	25738
BMNorwegian38	110mm x 408mm (4.33" x 16.11")	100mm x 240mm (3.9" x 9.4")	25738
BMNorwegian40	110mm x 430mm (4.33" x 16.98")	100mm x 240mm (3.9" x 9.4")	25738
BMNorwegian42	110mm x 452mm (4.33" x 17.85")	100mm x 240mm (3.9" x 9.4")	25738
BMNorwegian44	110mm x 474mm (4.33" x 18.72")	100mm x 240mm (3.9" x 9.4")	25738
BMNorwegian46	110mm x 496mm (4.33" x 19.59")	100mm x 240mm (3.9" x 9.4")	25738
BMNorwegian48	110mm x 518mm (4.33" x 20.46")	100mm x 240mm (3.9" x 9.4")	25738
BMNorwegian50	110mm x 540mm (4.33" x 21.33")	100mm x 240mm (3.9" x 9.4")	25738
BMNorwegian52	110mm x 562mm (4.33" x 22.20")	100mm x 240mm (3.9" x 9.4")	25738
BMNorwegian54	110mm x 584mm (4.33" x 23.07")	100mm x 240mm (3.9" x 9.4")	25738
BMNorwegian56	110mm x 606mm (4.33" x 23.94")	100mm x 240mm (3.9" x 9.4")	25738
BMNorwegian58	110mm x 628mm (4.33" x 24.81")	100mm x 240mm (3.9" x 9.4")	25738
BMNorwegian60	110mm x 650mm (4.33" x 25.68")	100mm x 240mm (3.9" x 9.4")	25738

Color Stop	CMC No.	Color Name	RL	RY	RY2	RY3	Color Stop	CMC No.	Color Name	RL	RY	RY2	RY3
1	783	Dark Yellow Gold	2556	523	63		21	310	Black	2296	1005	181	
2	725	Medium Yellow Gold	2626	1003	33		22	414	Dark Medium Gray	2484	1306	199	
3	498	Viv Dark Red	2270	1311	539								
4	321	Medium Red	2370	561	2396								
5	350	Medium Coral Red	2277	1317	3334								
6	352	Dark Flesh	2258	1259	1819								
7	353	Pale Coral Red	2255	1259	998								
8	948	Very Pale Flesh	2379	1064	798								
9	3346	Medium Avocado Green	2546	1176	1805								
10	3347	Light Avocado Green	2456	630	1141								
11	3348	Pale Avocado Green	2457	1184	1808								
12	270	Black	2296	1005	2781								
13	876	Very Lightest Gray	2565	1220	1381								
14	53	Black & White Variegated	79000	3007	765								
15	414	Dark Medium Gray	2484	1306	917								
16	415	Light Gray	2741	1329	425								
17	782	Very Pale Gray	2537	1236	1179								
18	1	White	2501	1001	1679								
19	498	Viv Dark Red	2270	1311	1855								
20	3346	Medium Avocado Green	2546	1176	841								

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More than 25 stitched units of this design is allowed as "commercial production" and is strictly prohibited under this license. A commercial production license may be obtained by writing to the Vermillion Stitchery at the address below or emailing us at info@vstitch.com and purchasing a license specifically for commercial production.

Please Note... Our model was created with DMC Cotton 50 thread. We have provided the corresponding DMC color names and DMC color numbers for your use in choosing appropriate colors for this design.

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 Vermillion Stitchery  phone 949 452-0155 / fax 949 452-0156 / email info@vstitch.com / website www.vstitch.com

The Thread Color Stops Listing

The Thread Color Stops Listing gives you the exact Color Stop Numbers for stitching the design. We list a DMC Machine Embroidery Thread color number, the generic color name, the Robison Anton Rayon suggested color number and then the Sulky Rayon suggested color number.

We also list the approximate number of stitches for each color. This number will vary slightly with what your machine says the number of stitches for this color are. That is because the machine adds a few stitches to secure the thread both at the beginning and the end of that color.

Color Stop	DMC No.	Color Name	RA Rayon	Sulky	Stitches	Color Stop	DMC No.	Color Name	RA Rayon	Sulky	Stitches
1	783	Dark Yellow Gold	2556	523	63	21	310	Black	2296	1005	181
2	725	Medium Yellow Gold	2626	1083	33	22	414	Dark Medium Gray	2484	1306	199
3	498	Vy Dark Red	2270	1311	539						
4	321	Medium Red	2378	561	2396						
5	350	Medium Coral Red	2277	1317	3334						
6	352	Dark Flesh	2258	1259	1519						
7	353	Pale Coral Red	2253	1259	998						
8	948	Very Pale Flesh	2379	1064	708						
9	3346	Medium Avocado Green	2546	1176	1805						
10	3347	Light Avocado Green	2456	630	1141						
11	3348	Pale Avocado Green	2457	1104	1808						
12	310	Black	2296	1005	2791						
13	876	Very Darkest Gray	2565	1220	1361						
14	53	Black & White Varigated	79000	3007	765						
15	414	Dark Medium Gray	2484	1306	917						
16	415	Light Gray	2741	1328	425						
17	762	Very Pale Gray	2537	1236	1179						
18	1	White	2501	1001	1679						
19	498	Vy Dark Red	2270	1311	1055						
20	3346	Medium Avocado Green	2546	1176	841						

The **Total Color Stops** listed in the top section indicate the *total number of times you will need to change the thread*. This does not necessarily mean the total number of colors required. Cross Stitch designs stitch out the different stitches in a definite order.

1. Cross Stitches
2. Back Stitches (the stitches that outline areas of the design)
3. French Knots (if included in design)

In this example, Color Stops numbers 1 through 20 are all Cross Stitch. Color Stops numbers 21 through 24 are all Back Stitch. You will note that all of the Back Stitch colors were used for Cross Stitches as well. So, there are 24 Color Stops in this design but only *20 different* thread colors.

****VERY IMPORTANT****

Design file colors will display differently on each machine's Touch Screen.

Even if a thread color is listed as "Red" on the PDF file, it may display on your Touch Screen as "Gray" Therefore, always check your machine Touch Screen to see which Color Number needs to be stitched next. Refer only to the PDF file for the actual Thread Color to be used for that Color Stop.

Available Sizes Notes

Refer to the Design Size information to determine if a design will fit the hoops for your specific machine.

If you have the need to convert our design files to other formats, the Hus format is the initial file generated. It is the *most accurate rendition of the original design* and will give you the best quality conversion to another format.

We suggest that whatever software you use for your machine be updated to its newest version. This should provide you with the best conversion between file types.

Please understand that we cannot be responsible for the results obtained when converting our original files to other formats.

We also suggest that if you have any problems using our files with your machine's software or peripherals, that you visit your dealer for help with your specific machine.

Machine Embroidery THREADS

Because of my many years of designing hand cross stitch, I am most comfortable using **DMC Art. 237 Cotton Machine Embroidery Thread #50**, because it more closely resembles the look and feel of hand cross stitch. DMC Art 237 threads are designed with excellent color shading families which are necessary for realistic looking cross stitch on the machine.

In our PDF files, we also give you the Sulky Rayon and Robison-Anton Rayon Color Number Matches. Please note that in some cases these matches are not perfect matches to the DMC colors used to stitch the design models. There is always some variance when matching colors between brands.

SPLIT FILES

Split Files must be used when a specific sewing machine's software has memory limitations. This means that some machines have limitations on how many colors a design can have as well as how many stitches. Most split files limitations involve the number of colors permitted in each design. This limitation typically ranges from about 12 colors to 15 colors. Occasionally files will be split if your memory card is limited to a certain amount of stitches. That might occur with very large designs over 50,000 stitches.

For instance the Black and White Norwegian Cat design above comes with Split Files due to *Color* Limitations:

For Pfaff machines - PCS filetype:

BWNorwegian14-A.pcs
BWNorwegian14-B.pcs

For Janome machines - SEW filetype:

BWNorwegian16-A.sew
BWNorwegian16-B.sew

For Singer machines - XXX filetype:

BWNorwegian16-A.xxx
BWNorwegian16-B.xxx

Most Hus, Pes, and Jef files will be single files.

Most Pcs, Sew, and Singer XXX files will come with Split Files (more than one file).

VERY IMPORTANT: If your file type has split files, you must load each of the split files for that design into the software that transfers the files to your machine (either memory cards or floppies). You need to load files into your machine, one at a time. The process is:

1. Load File A. Stitch through last color stop.
2. Leaving hoop in place, Load File B. Stitch through last color stop
3. If there is a C file, Load File C. Stitch through last color stop to end of design.

If you only load the "A" file, your machine will stitch only to the end of that file and stop, thinking the design is complete! Your PDF printout though, will indicate that there are more colors that still need to be stitched. If there are more color stops listed after the last color stop of a file is stitched, you will know you have to load the next file.

When referring to the PDF printout for Split Files, just follow the **Color Stop numbers** until your machine indicates that it is through with that file. When your machine stops, make a mark under the last color that stitched completely. Leave the hoop in position and load in the next file, starting at the next color stop to be stitched—the first color stop underneath the

STABILIZATION

Cross Stitch designs are generally quite dense designs. That means that there are a lot of tiny stitches, very close together, which can tend to pull your fabric out of position as it stitches. Correct Stabilization is therefore of critical importance to a successful stitchout.

We currently suggest you use a lightweight *iron on stabilizer* like America Sews **"Fuse N Tear"**. This very lightweight iron-on stabilizer works like a dream, especially on small to medium-sized designs. You should only need 1 layer of this stabilizer, for woven fabrics.

There are also some nice light weight mesh iron-on stabilizers that work well, especially for larger designs (5" x 7" or larger). You should also use a Basting In the Hoop function, if your machine has it. This function bastes a rectangle around the outer edges of the area the design. You should also use steps 5 and 6 below.

For large hoop designs or multi-hooping a large design, we recommend using John Solomon's **"Fusible Poly-Mesh #316"** stabilizer for large pieces of fabric. For multi-hooping, gently press on two layers. This stabilizer is soft and pliable and easily removed after stitching.



An alternative method is to use Sticky Stabilizer, following all of the steps below:

1. **Hoop only the sticky stabilizer.**
2. **Position fabric** or garment to be stitched on top of the hoop.
3. Place **tearaway stabilizer** underneath the hoop.
4. If your machine **Baste In the Hoop function**, use that process to Baste the layers together around the periphery of the design area to be stitched.
5. **Lower the top tension** of your machine a notch or two. This will allow the thread to lie more smoothly on the fabric and reduce the size of the holes the needle makes between stitches.
6. **Slow the Speed** of your machine down a notch or two from its top speed. This creates much neater stitches.

After following all of the above steps, if you continue to have trouble getting the Backstitch outlines to line up with the cross stitches, you might want to use Cutaway Stabilizer under the hoop (1 or 2 pieces) instead of Tearaway. Sometimes these very fast-stitching machines will almost "cut" through the Tearaway.



“Real” Cross Stitch Fabrics are called **evenweave** fabrics. These fabrics, designed and produced for hand needle work, are available in different sizes, determined by the *number of stitches per inch* that can be stitched on the fabric.

The most commonly available evenweave fabric is Aida Cloth. Aida Cloth is a cotton fabric, is available in standard counts of 18 Count, 16 Count, 14 Count, and 11 Count sizes. The term, “Count” refers to the Thread Count of the fabric and is number of stitches per inch of the fabric. For example, an 18 Count fabric has 18 stitches per inch. A 14 Count fabric has only 14 stitches per inch. Therefore, the larger the number, the smaller the stitches.

In addition to Aida Cloth, many lovely linens and other fibers such as polyesters and cotton/linen blends, called evenweave fabrics are also available for cross stitch. The corresponding sizes of evenweave fabrics are 36 Count, 32 Count, 28 Count, 22 Count Hardangar fabric, which is a different weave than either Aida Cloth or regular evenweaves..

While some of our machine designs are actually “official” 14 count designs, some of our designs are 12 Count, 15 Count and some are 17 Count. We have generated these "oddball" counts in order to get the designs to fit the various hoops for so many machines. These oddball counts may not fit exactly within the fabric threads on the "normal" fabric counts, but are hardly noticeable when stitched. If the fabric and design stitch count are fairly close though (15Count design on 14Count fabric), they will still look very good stitched—especially the smaller 4"x4" designs.

Aida cross stitch fabric is very nice to stitch on...mainly because it is a nice bodied fabric—a little heavier and more stable than broadcloth, for instance. You can also use any of the evenweave fabrics too. They are available in many lovely colors. One thing I've had fun doing, is to go to fabric shops (even like Joann's) and look over their closeout fabrics. Good fabrics which are a little heavier weaves than broadcloth, and therefore lovely to stitch on, are Linen, Linen and Cotton Blends, sometimes referred to as Suiting material. I have found several fabrics that closely resemble evenweave fabrics

The Small Print...

Finally, we come to the topic of our design Copyrights. We offer our designs primarily for Personal Home Use. We believe the large number of colors used and the complexity of the designs make them more appropriate for the home market. That said, we do allow a limited number of stitchouts per each design in our collections. Our Copyright Statement is below.

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We hope these instructions have been helpful to you in enabling you to use our designs to create beautiful cross stitched pieces. If you have any further questions, you may easily email us at the address below. Once you have stitched out some of our designs we just know you are going to enjoy having your machine do all of the work for you!!

Donna Vermillion Giampa