

### HOW TO COUNT EMBROIDERY STITCHES

This grid is a quick and easy way to estimate the number of stitches in a logo. Just place the grid over the artwork to be used. Count the number of one-inch squares (the bold lines) it takes to cover the artwork. Then see the corresponding number of stitches in the chart. Make sure you add stitches for any part of the design that has extra text over the filled areas.

#### EMBROIDERY TIPS

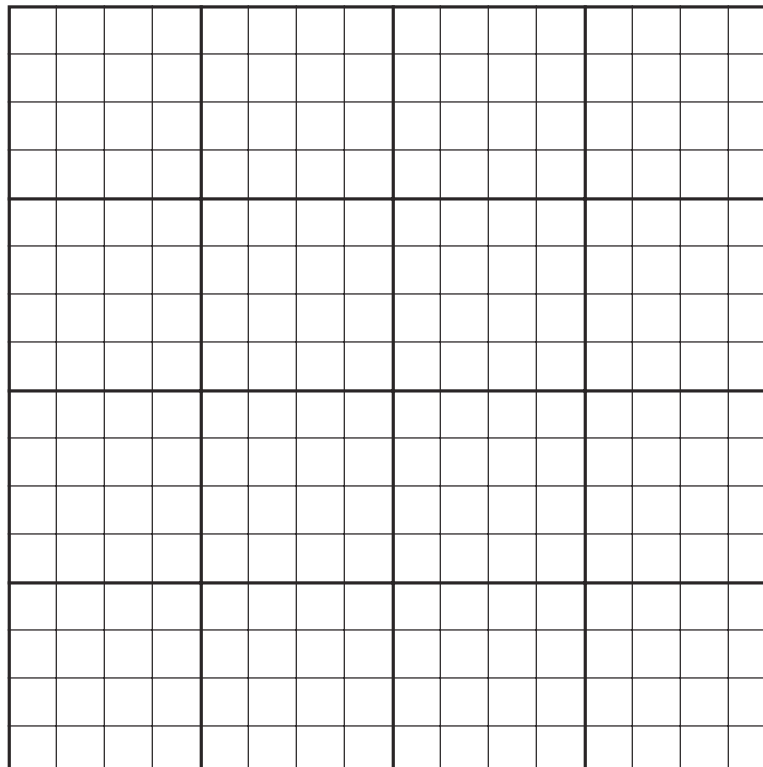
- Left chest designs tend to be no more than 1 3/4" square.
- Hat designs can be no more than 2 1/4" in height.
- One solid square inch of embroidery = approximately 2,000 stitches.  
For example: 1" x 3" = approximately 6,000 stitches; or, 1 1/2" x 2" = approximately 6,000 stitches.
- One solid square 1/2 inch of embroidery = approximately 500 stitches
- Each letter at 1/4" in height = approximately 100 stitches. Letters should be no smaller than 1/4" for optimum clarity.
- If logo has a straight line under it, add 200 stitches per inch.
- If logo has a drop shadow, add 200 stitches per inch. Remember this rule of thumb: drop shadows are usually equal to two times the number of stitches for each letter with a drop shadow.
- If the letters are outlined, then multiply the number of stitches by 3.
- If parts of the design go outside the grid box, figure the percentage of the fill and add it to your total stitch estimation. In other words, if your extra box is only half full, add 250 stitches to your final estimate.
- There may be other factors that affect your stitch count, such as fabric type, color or intricacies of your logo.

#### ESTIMATING STITCHES WITHOUT THE GRID

If the grid is not available, a quick approximation of stitches can be found with this simple equation: Multiply the length by the width then multiply of 2. That will give you the amount of 1,000 stitches. For example: 1 1/2" x 2" logo would be 1.5 x 2 = 3 then 3 x 2 = 6. This logo would have 6 - 1,000 stitches or 6,000 stitches.

◆ ONE INCH ◆

# of 1/4" BLOCKS	TOTAL STITCHES
1 =	125
2 =	250
3 =	375
4 =	500
5 =	625
6 =	750
7 =	875
8 =	1000
9 =	1125
10 =	1250
11 =	1375
12 =	1500
13 =	1625
14 =	1750
15 =	1875
16 =	2000
17 =	2125
18 =	2250
19 =	2375
20 =	2500



# of 1" BLOCKS	TOTAL STITCHES
1 =	2,000
2 =	4,000
3 =	6,000
4 =	8,000
5 =	10,000
6 =	12,000
7 =	14,000
8 =	16,000
9 =	18,000
10 =	20,000
11 =	22,000
12 =	24,000
13 =	26,000
14 =	28,000
15 =	30,000
16 =	32,000
17 =	34,000
18 =	36,000
19 =	38,000
20 =	40,000

Remember, this is an estimate ONLY, providing final art will allow an exact count.