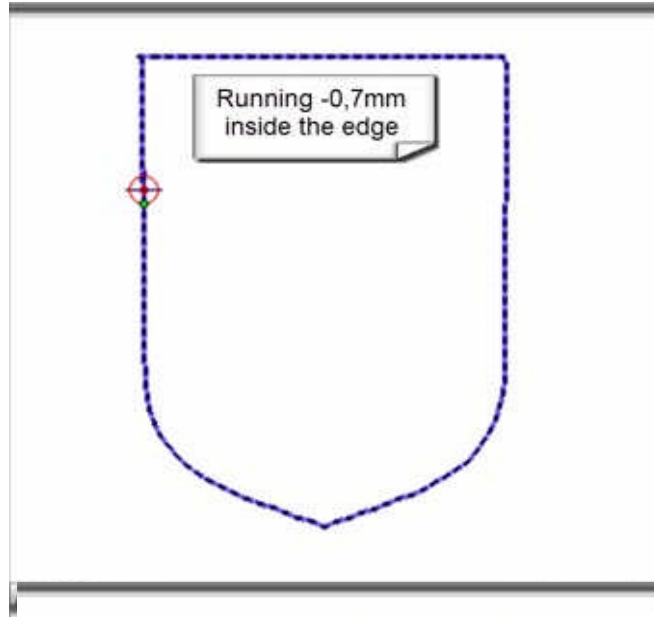
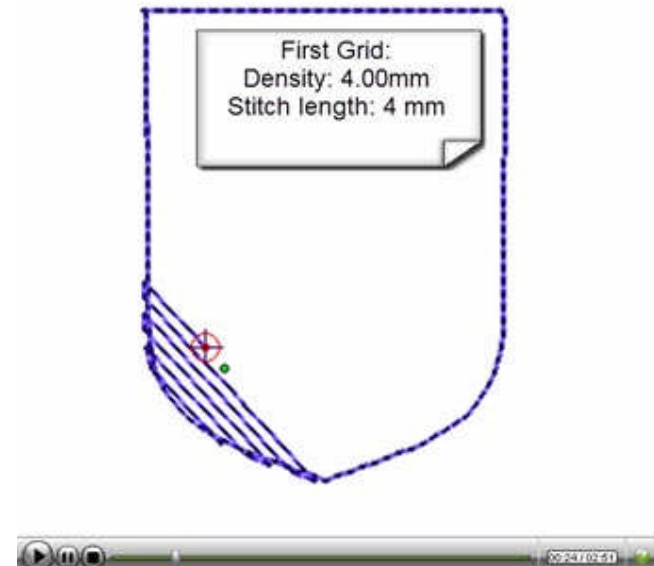


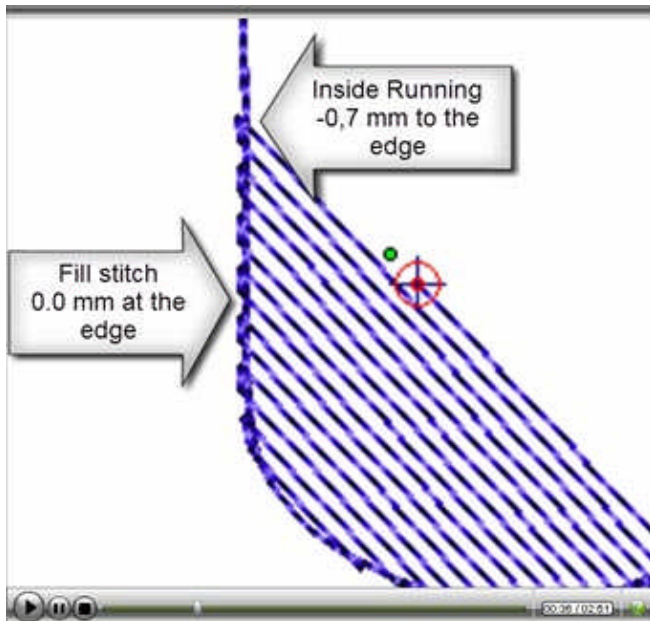
1.) Set the first jump **stitch to the corner of reference. Continue with another jump stitch to the start of the design.**



2.) Punch the **outline** of the design with **running stitches**. Set this outline at a distance of 0,7 mm inside the badge's edge.

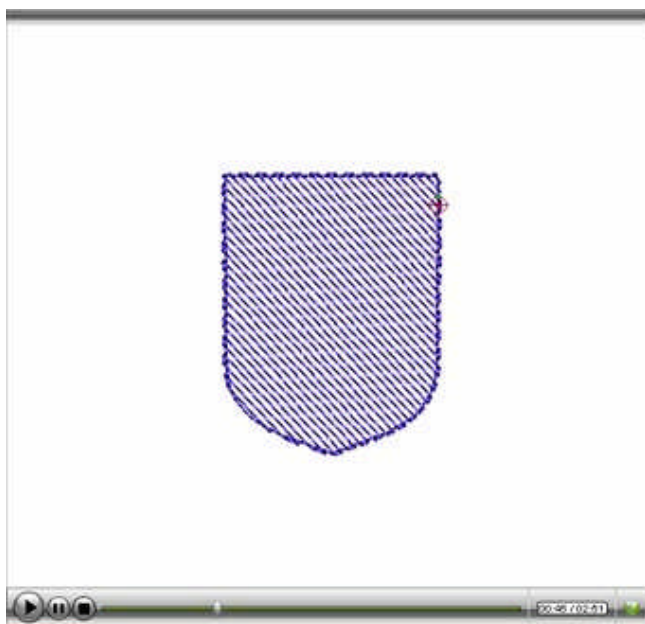


3a.) After having punched the outline, set the **first grid** with a **filling stitch** using a density of 4.00 mm and a stitch length of 4.00 mm.

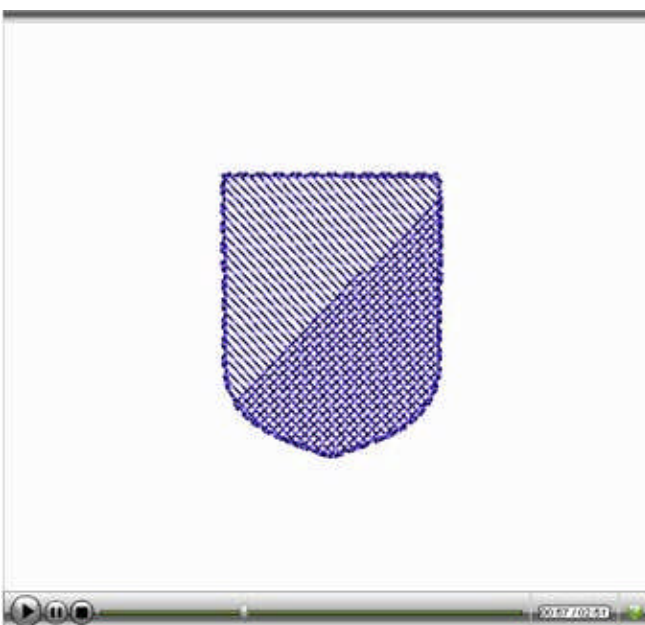


3b.) Set the first **diagonal grid** exactly at the edge.

The grid's **fill stitches** end directly at the badge's edge. Herewith the running outline you previously punched, will be overlapped

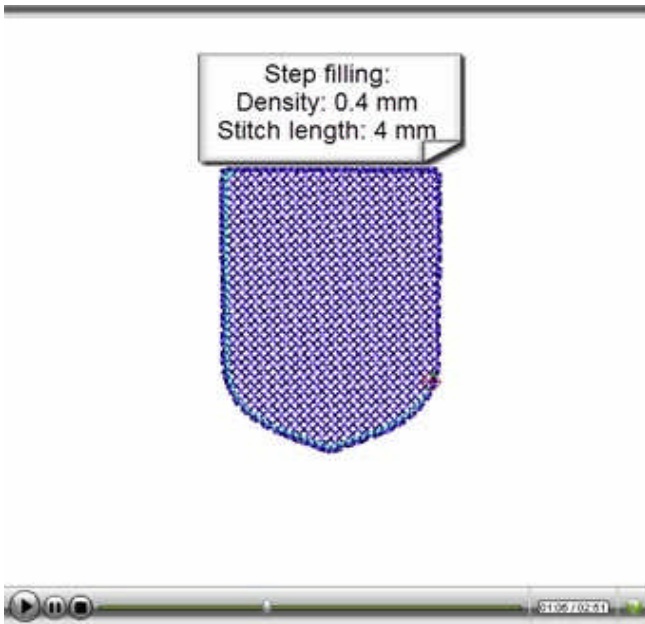


4.) Use a **running stitch** again to outline the **badge's border**, as shown in step 2.

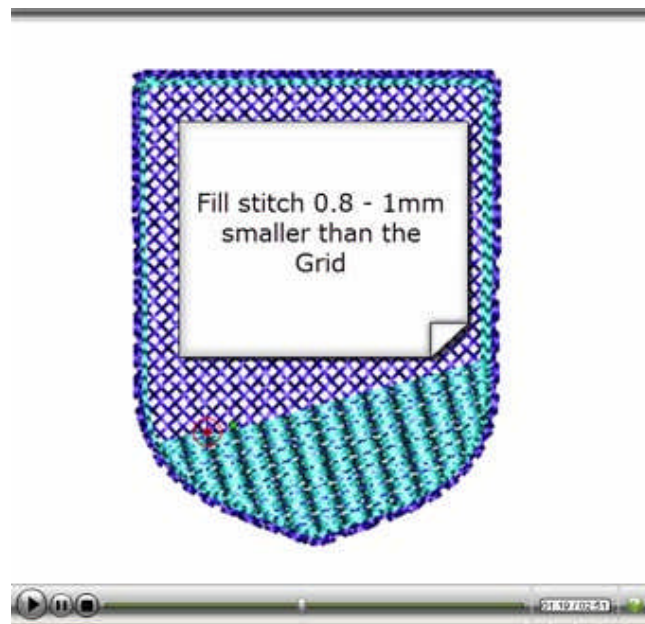


5a.) Then embroider a **second diagonal grid** with a **filling stitches**. The second grid should be orthogonal to the first grid.

Use the same method as mentioned in step 3.



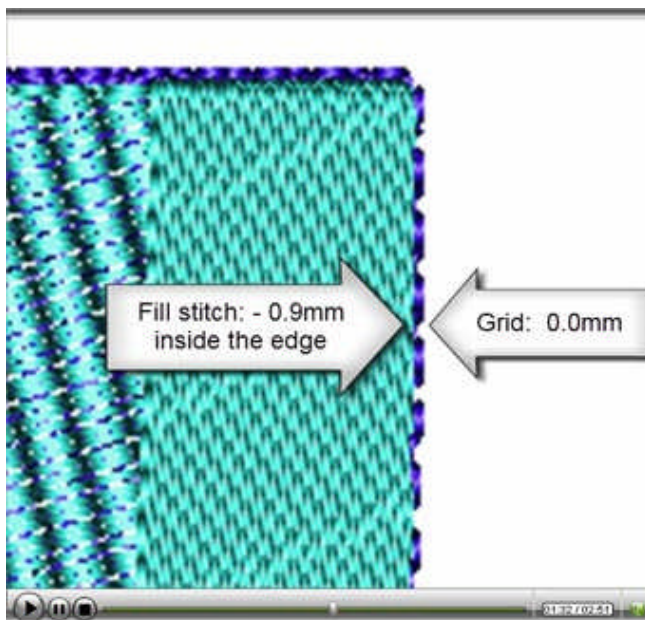
5b.) The finished grid is meant to replace the fabric usually used as the embroidery's background.



6.) Now that you got the embroidery's background, start digitizing the actual embroidery:

To stabilize the badge, set some **underlay stitches**. They should have a density of 0.4 mm and a **filling stitch** length of 4 mm.

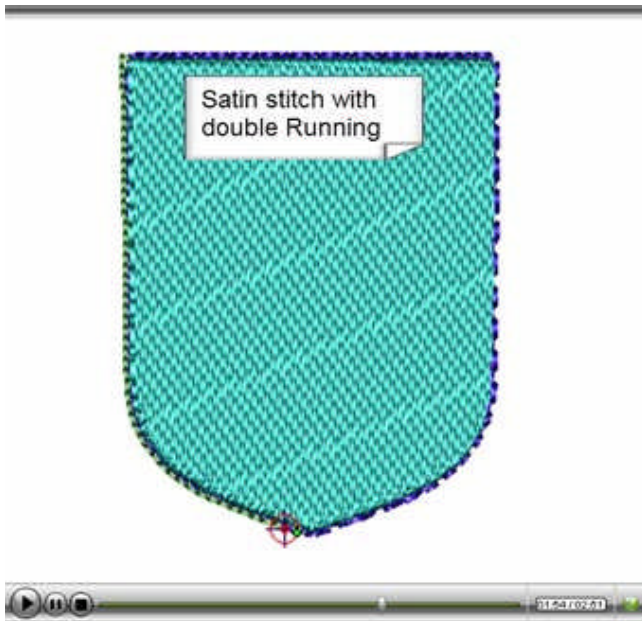
The underlay stitches should be set around 0.8 mm apart from the badge's edge.



7.) After that, set the **upper fill stitches**.

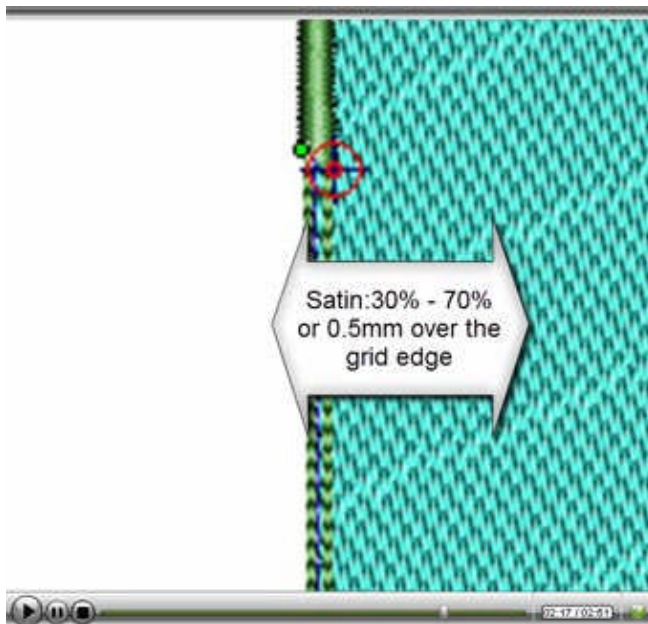
To compensate the pulling of the foil, the stitch direction should be lengthwise to the running direction of the PreFrames.

Here again, keep a distance of approximately 0.5-1.0 mm between the fill stitches and the badge's edge.



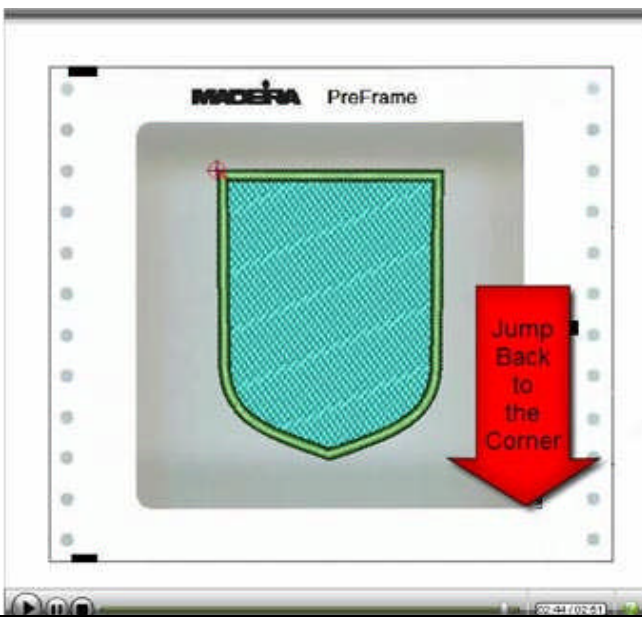
8.) To realize a clean satin stitch border it is helpful to punch a double outline with running stitches.

The running stitches have to be punched 0.7 mm apart from the satin stitch border.



9.) Complete the **edge** with **satin stitches**.

It is important that the satin stitches overlap the badge's outside edge by 0.5 mm, while the rest of the stitch width should be inside the badge.



10.) After completing the embroidery job, set a **jump stitch** back to the **starting point (corner of reference)**.

Don't forget that you may always add new elements such as names, even once you finished the job. Just insert again the embroidered PreFrames in the AFS Frame and referring to the starting point the machine will always find exactly the correct position.

← Finished basic embroidery.