Moore's presents
Sewing
TECH TALK
with Cathy

Supplies

- Baby Lock Guide Bar Attachment for Digital Dual Feed #BLDY-QGDR for evenly spaced grid lines
- Baby Lock Open Toe Sole for Digital Dual Feed attachment #BLTY-OTDF
- Sew Steady Extension Table
- 5" x 7" Magnetic Frame #EMF180 for embroidery quilting
- Ultra T High Performance feet for wide decorative stitches
- Removable or Hera Marker for marking initial grid line
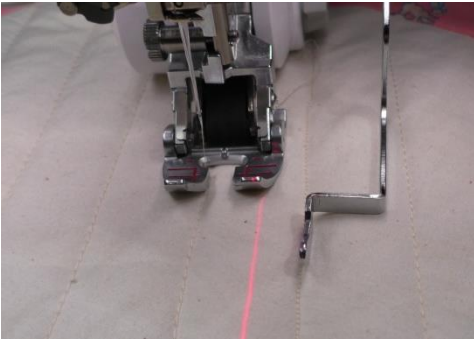- Chenille Hand Sewing Needle for Burying Threads

Instructions

Grid Quilting with the Digital Dual Feed and LED Guide Light

Grid quilting is a traditional background design. The grid can be any size and angle. The grid is either crossed lines or simply consistent lines in one direction. Lines of alternating narrow and wider widths are called "double rod" or "triple rod" quilting. When lines cross, take care to avoid a tuck in the fabric. Secure the thread tails at the beginning or ending of a quilt line lying within the quilt in two ways. Use the built in reinforcement feature to secure and trim the threads or use a large eyed hand needle,

such as a chenille needle, to bury the threads after quilting is complete.

The Digital Dual Feed pulls fabric through using a belt that is in constant contact with the fabric. The rate of pull of the belt is adjustable. To ease in the top layer of fabric and avoid tucks, increase the feed of the belt in the settings pages. The feed can be adjusted to ease in at "+10" or spread out at "-10". The adjustment will remain as changed in the settings pages until changed. After changing for a project, return the setting to default. The default setting is 0.
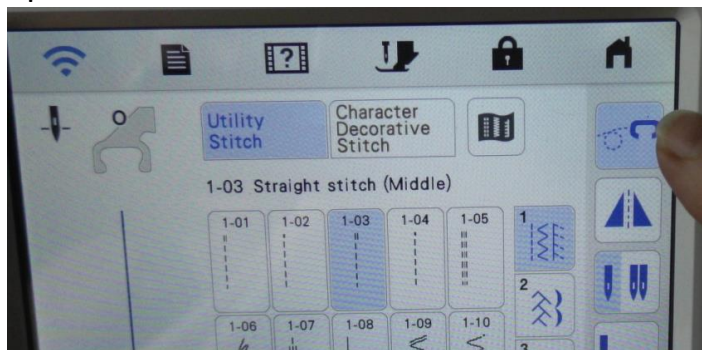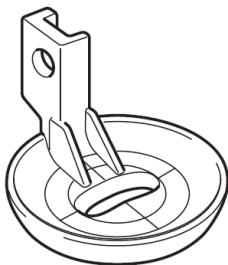

The key to beautiful grid quilting is consistent direction and width of the quilting lines. Use the LED guide light and needle position to sew straight and even lines. A quide bar attachment is available for the Digital Dual Feed. Mark the first line with a removable marker and use the light or quilt guide attachment to sew the rest of the lines without marking.

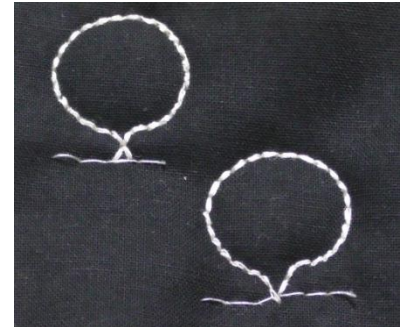## Free Motion and Standard Quilting with the Echo Quilting Foot

Three different free motion feet are included as standard accessories with the Altair. The echo quilting foot is attached to the machine using the low shank adapter. The biggest advantage of this foot is the ability to sew with either the feed dogs down or with the feed dogs up. The advantage for free motion quilting with this foot is the ability to quickly switch between free motion and standard quilting with the feed dogs assisting. Use the free motion icon to quickly toggle between free motion with the feed dogs lowered or standard sewing with the feed dogs up.

Quilting with Large Decorative Stitches

Large decorative stitches are available when a machine is equipped with lateral sewing. These 40mm stitches mimic free motion designs and are well used in the borders or sashing of a quilt. The Digital Dual Feed is not available for use with these stitches. To eliminate friction with the thicker quilt, engage the Automatic Fabric Sensor system and use the High Performance Ultra T "N" foot. To adjust the lateral feed settings for a particular project, stitch the "bubble" decorative stitch and adjust the horizontal and/or vertical feed direction in the settings pages. The adjustment will remain until readjusted, so after completing the project return the settings to default. In the photo above, the sample on the right was corrected for both horizontal and vertical adjustments of +1. After adjusting, stitch a sample of the decorative stitch on a fabric sample compatible with the project materials.

Create Quilting Embroidery Designs in IQ Designer

IQ Designer is the built in feature to create embroidery designs from artwork. Artwork is available from multiple sources or use any of the built in shapes to create embroidery designs to be used for embroidery quilting. The magnetic hoop available for the embroidery machine makes embroidery quilting efficient. For detailed instructions on creating an embroidery design in IQ Designer, see any of the following Sewing Tech Talk handouts: