

### NEEDLE AND THREAD GUIDE

Use only the correct needle system as recommended by Baby Lock. For the Gallant XL, this is needle system 134. This needle system is designed to withstand high stitching speeds. Choose among sizes 12 through 20 according to the type of thread you are using.



NEEDLE SIZE	THREAD SIZE
12 and 14	monofilament, 100 wt. silk, 60 wt. poly, mylar
16	monofilament, hologram, 100 wt. silk, 60 wt. poly, 50 wt. poly, 50 wt. cotton, some 40 wt. threads
18	40 wt. cottons and poly, 30 wt. cottons and poly
20	Any thread 30 wt. and heavier such as 12 wt., 19 wt., 30 wt.

### TO THREAD THE GALLANT XL

- Place thread cone onto spool post ①, insert the thread through the thread-mast eyelet ② from right to left, continuing to the 3-hole thread guide ③.

- Thread all three holes from back to front ④, wrapping as you go, being careful not to cross threads.

**NOTE:** This is recommended for most threads. Very delicate threads, e.g. metallic threads or monofilament, may require less tension. If you have problems with thread breaking, try threading only one or two holes ④.

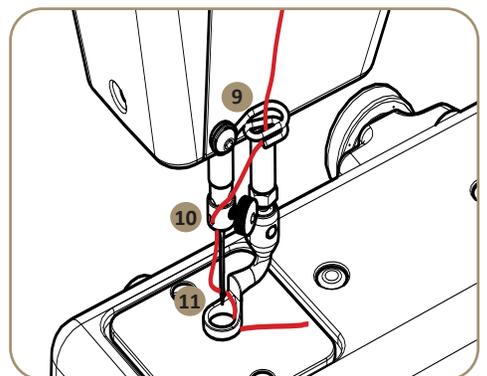
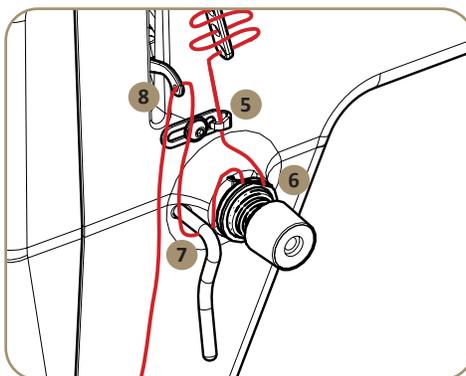
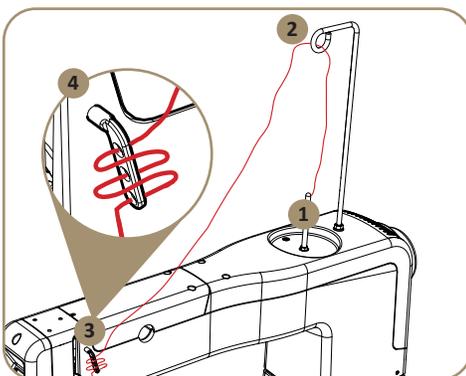
- The thread continues down through the thread guide ⑤ and then to the tension assembly ⑥.

**IMPORTANT:** The thread must be flossed up between the tension discs. If not flossed all the way up, the thread will lay on top of the tension discs (no tension) and thread looping on the bottom of the quilt can occur.

- After the thread is in the tension discs, be sure that the thread catches on the take-up spring and then pull it down under the stirrup thread guide ⑦.

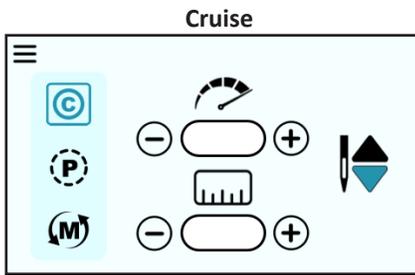
- Bring the thread up and through the take-up lever from back to front ⑧, and then through the lower thread guide ⑨. Almost there! Thread through the needle bar thread guide hole, this time from front to back ⑩.

- Make sure the thread follows the groove down the front of the needle ⑪ and insert thread through the eye of the needle from front to back. While pulling thread through the eye of the needle be careful that the thread does not twist around the needle.

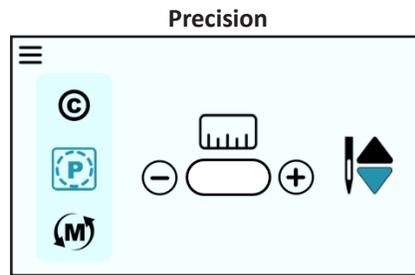


# GALLANT XL SCREEN ICONS AND NAVIGATION

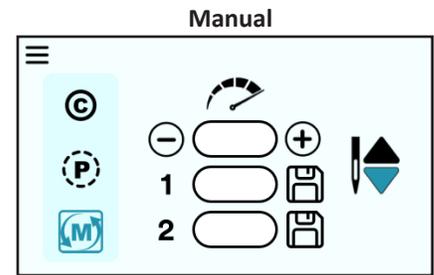
**Home Screens:** Where you'll be when sewing! (See *Stitching Modes* section for more information.)



The needle cycles continuously, but it changes speeds to maintain the stitch length when the machine is moved.



The needle cycles according to the movements of the machine to maintain the stitch length.



The needle cycles continuously at the same speed, regardless of the movement of the machine.

## MACHINE TOOLS ICONS

Access from the Home screen by clicking this icon.



**Needle-stop position:** Select this icon to change the end needle position when you stop stitching. This does not move the needle, but indicates your preference for the final needle position when you stop stitching.



**Lights:** Select the Light icon to adjust the brightness of the lights. Press to return to the menu.



**Overspeed Alarm:** Select to toggle the alarm on or off. The alarm lets you know if you are quilting too fast for stitch regulation. Press to return to the menu.



**Stitch Count:** Select this to view your project stitch count and your machine's lifetime stitch count. Press the Project count button to reset the count to zero when starting a new quilt. Press to return to the menu.



**Diagnostics:** Use when directed by Baby Lock technical support or authorized Baby Lock representative to run diagnostic tests. Press to return to the menu.



**Updates:** Machine and display software should be downloaded from the website to a USB drive when a new version is released. Press to return to the menu.



**System Information:** Show machine and display hardware and firmware versions. Press to return to the menu.



**Return Home:** Returns you to your most recent home screen. Press to return to the menu.

## STITCH MODES

Select from the Menu screen.

**Cruise Stitch Regulation:** Select the Cruise icon and then specify the cruise speed (stitches-per-minute) setting.

When quilting in Cruise mode, the needle will start to move immediately when you press the key on the handlebar, according to the cruise speed (stitches-per-minute) setting. Once you begin to move the machine, the needle will move according to the stitches-per-inch setting.

The needle continues to move at the Cruise speed (stitches per minute) anytime you pause the machine, until you press the button on the handlebars to fully stop quilting.

**Precision Stitch Regulation:** Select the Precision icon and then specify the stitches per inch.

Stitch regulation maintains a consistent stitch length (stitches per inch), regardless of how quickly or slowly you move the machine. When quilting in Precision mode, the needle only moves when you move the machine. After you press the key on the handlebars, move the machine to begin quilting according to the stitches-per-inch setting. When you pause moving the machine, the needle will pause until you move again. Press the key on the handlebars to fully stop quilting. Ideal for ruler work.

**Manual Stitch Mode:** Select the Manual icon and then specify the stitches per minute (speed).

When using manual stitch mode, the length of the stitch is determined by how quickly or slowly you move the machine around the quilt, in combination with the number of stitches per minute (up to 2100) that you choose.

For a consistent stitch length, move the machine at a consistent speed. Experiment with different combinations of quilting speed and stitches per minute to find what optimally works for you.

For more information about tools and settings, see the *Machine Tools and Information Screen* sections of the Gallant XL manual.