

Yarn Couching Embroidery Foot Set

BLA-YCFS

Create a unique and stunning look to every yarn couching embroidery design by simply changing the yarn weight. The Yarn Couching Embroidery Foot Set makes this feasible with the four interchangeable and adjustable feet. With the various foot sizes, 2mm, 3mm, 4mm and 5mm and the option to use yarn weights like #3, #4, #5, #6 and #7, creating a custom look is possible.

Machine Embroidery Settings/Supplies

Embroidery Speed:	350spm (maximum speed)
Embroidery Tension:	4
Embroidery Foot – Yarn Couching Foot Set:	BLA-YCFS
Embroidery Designs:	Built-in Yarn Couching embroidery design category, Baby Lock Design Suite Yarn Couching Embroidery Design Collections, and Yarn Couching designs in PES format
Machine:	Baby Lock machines compatible with the Yarn Couching Foot Set are listed below.

Baby Lock Models: Yarn Couching Embroidery Foot Set - BLA-YCFS

The following machines can be used with the Yarn Couching Foot Set:

- Radiance (BLRA) & Radiance Limited Edition (BLRA-LT)
- Altair 2 (BLTA2)
- Meridan 2 (BLMA2)
- Solaris Vision (BLSA3)
- Solaris 2 (BLSA2)
- Solaris (BLSA) with Upgrade Kit 1 (BLSAU)
- Altair (BLTA) with Upgrade Kit BLTAU
- Meridian (BLMA) with Upgrade Kit BLTAU
- Luna (BLUNA)
- Ursa (BLRSA)

Instructions

Supplies:

- Needle thread: 40wt. rayon or polyester embroidery thread.
- Bobbin thread: Finishing Touch Bobbin Thread, White (BBT-W) and Black (BBT-B), or Fil-Tec Clear Glide Poly Bobbin (pre-wound) 60wt. For the following machines, Meridian 2 (BLMA2), Meridian (BLMA) with Upgrade Kit (BLTAU) and Ursa (BLRSA) 90wt. bobbin thread (BBTE-W) will be needed.
- Needle Types: embroidery 75/11 or 90/14. Specialty needles like Non-Stick, Titanium and Chrome plated can be used when specialty stabilizers, backings or interfacings are used that recommend these needle types for best performance.
- Fabrics: lightweight, medium and heavyweight woven fabrics like cotton, silk, wool, linen and denim. For best results test the fabric and stabilizer/backing or interfacing with the selected yarn and a yarn couching embroidery

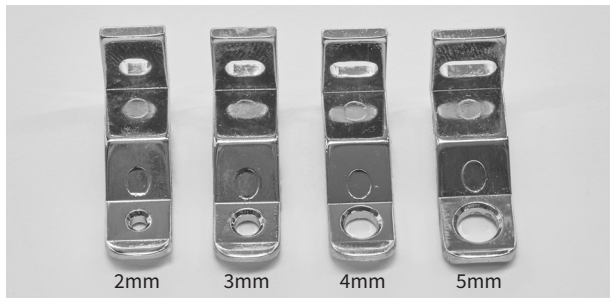


design prior to stitching on project fabric.

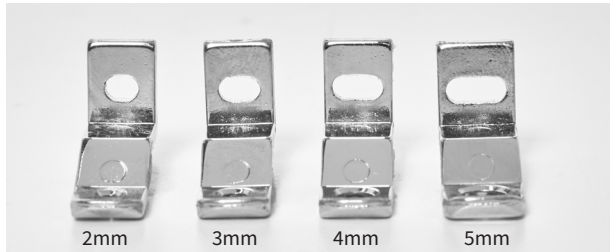
- Stabilizer, Backing or Interfacing: Cut-Away, Tear-Away, Sticky, Woven Fusible, Knit Fusible, Fusible Batting, Fusible Foam, or Batting. Whether selecting from the listed products or other products designed for use with machine embroidery, it is best to test to ensure the selected product performs to your expectations.
- Embroidery Designs: Built-in Yarn Couching Designs (machine), Baby Lock Design Suite Yarn Couching Embroidery Collections, after-market Yarn Couching designs in PES format. We are unable to guarantee the stitchout quality of after-market yarn couching designs not designed and tested by Baby Lock.
- Embroidery Hoop: Baby Lock hoops or after-market hoops that fit the design size and work with Baby Lock embroidery machines. Always make sure to choose the hoop size based on the selected design or combined designs size.
- Yarn weight: #3, #4, #5, #6 or #7. For the #5/#6 or #7 yarn weights, bulky or jumbo are selection options. Always test the selected yarn with the Yarn Couching Foot opening to ensure the yarn moves through the opening easily. While the information on the yarn wrap/package may indicate the yarn weight, for example a #5, not all yarns given this identification are the same. It is best when testing the yarn to use two different yarn couching feet sizes to determine which foot size is best for the movement of the yarn through the foot opening.
- Yarn fiber content: polyester, acrylic, nylon, wool or blended yarns are the best selections. Not all yarns, due to fiber content, will work due to the formation of the stitch that secures the yarn to the fabric. Always test the yarn with one of the built-in Yarn Couching embroidery designs to ensure that it performs as expected.

Yarn Couching Embroidery Foot Set

Foot Opening Sizes: Each foot differs by the size of the opening at the toe and the slot at the back of the foot.



Foot Opening Size

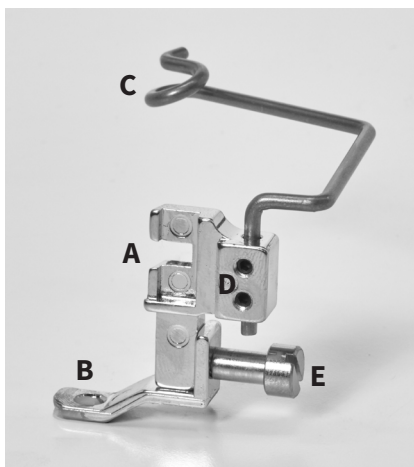


Slot Opening Size

Foot opening size and suggested yarn weight(s):

- 2mm foot: #3 yarn
- 3mm foot: #3 and #4
- 4mm foot: #4 and #5 yarn
- 5mm foot: #6 and #7 – there may be some #5 yarns that will need to be used with the 5mm foot.

NOTE: The above information is a guide in selecting the foot size based on the yarn weight. It is important to always test the yarn in the foot by manually moving or flossing the yarn through the opening to determine the best foot size.



A - Presser Foot Holder/Shank: Attach to the Presser Foot Bar with the Presser Foot Holder/Shank screw.

B - Yarn Couching Foot: Attached to the Presser Foot Holder/Shank.

C - Yarn Path Guide: This guide aligns the yarn from the Yarn Guide to the opening on the foot.

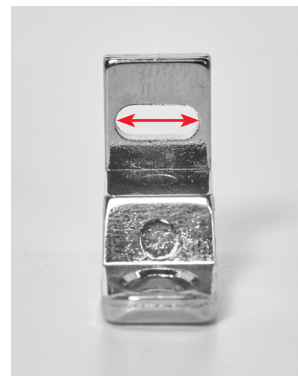
D - Allen screws: These two screws secure the Yarn Path Guide in position on the Presser Foot Holder/Shank.

E - Yarn Couching Foot Screw: This screw secures the foot to the Presser Foot Holder/Shank.

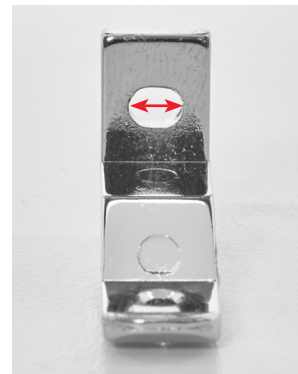
NOTE: The Yarn Path Guide has been positioned for alignment with the foot and should not need to be adjusted.

Attaching the foot to the Presser Foot Holder/Shank:

1. After testing the yarn and determining the foot size the selected foot will need to be attached to the Presser Foot Holder/Shank.
2. The slot at the back of the foot is used to position the foot on the Presser Foot Holder/Shank. The elongated opening allows the foot to move left or right so the needle can be aligned with the foot.



Adjustable slot at the back of the foot (5mm foot).

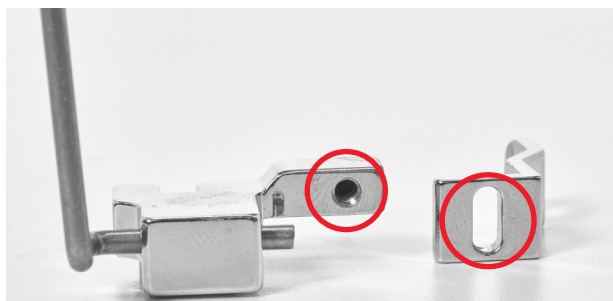


Adjustable slot at the back of the foot (2mm foot).

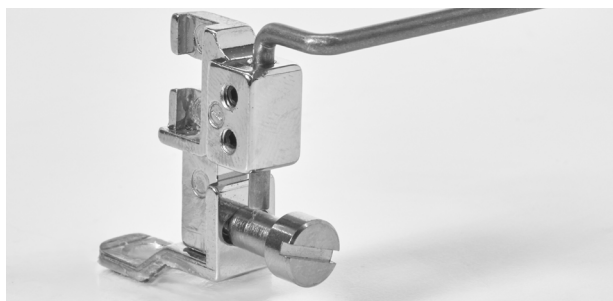


3. Position the foot on the backside of the Presser Foot Holder/Shank aligning the adjustable slot on the foot with the position at the back of the Presser Foot Holder/Shank. With the foot in position, place the foot screw in the slot opening on the foot and in the opening on the Presser Foot Holder/Shank and secure the two pieces together. Do not fully tighten the screw, the foot will need to be aligned after attaching to the Presser Foot Holder/Shank to the Presser Foot Bar. This final alignment will ensure the foot opening is aligned with the needle.

NOTE: The slot opening allows the foot to move left or right for alignment. The size of the slot opening varies based on the foot size.



Presser Foot Holder/Shank opening and slot opening.



Presser Foot Holder/Shank and foot in position and secured/joined with the foot screw.

Attaching the Yarn Couching Foot:

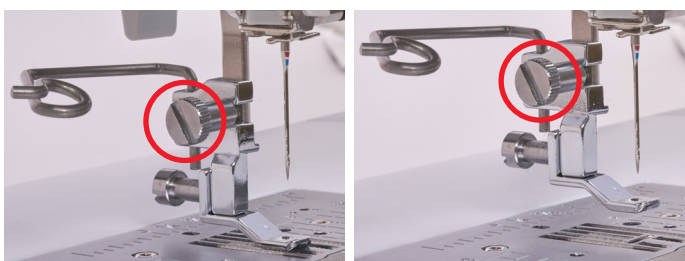
1. With the embroidery unit attached, position the unit in the storage position (to the far left on the embroidery unit). Remove both the presser foot and presser foot ankle. Lower the presser foot bar using the presser foot lever or the presser foot lifter button. Attach the Yarn Couching Foot to the Presser Foot Bar and secure in place with the Presser Foot Holder screw. Each of these steps should be taken regardless of the embroidery machine model.

NOTE: With the embroidery unit placed in the stored position, there is ample room to the left and right of the presser foot bar making attaching the Yarn Couching Foot easier.

NOTE: With presser foot in the raised position when attaching the Yarn Couching Foot, place the needle in either the highest position or remove to ensure the needle does not catch the Yarn Couching Foot while aligning with the presser foot bar.

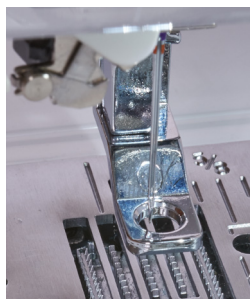


Presser foot in the lowered position.

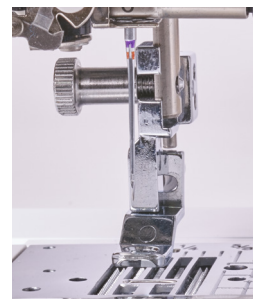


Yarn Couching foot positioned and secured on the presser foot bar with the foot in both the down and up position.

NOTE: When attaching the Yarn Couching Foot on both the Luna and Ursa, remove the presser foot and presser foot ankle and lower the Presser Foot Bar. This step ensures there is plenty of space to attach the Yarn Couching Foot to the Presser Foot Bar without touching the needle.

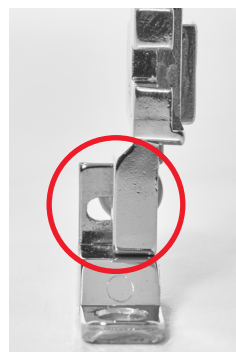


Presser foot up and attaching the Yarn Couching Foot.

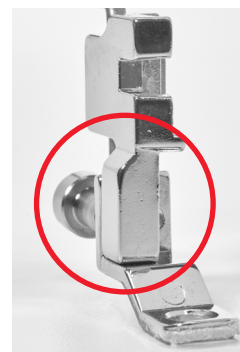


Presser foot down and attaching the Yarn Couching Foot.

2. To align the foot with the Presser Foot Holder/Shank, slide the foot to the right placing the edge of the foot next to the edge of the Presser Foot Holder/Shank and tighten the screw. The alignment position places the left edge of the slot on the foot against the screw. Holding onto both sides of the foot and Presser Foot Holder/Shank, tighten the screw. This step prevents the foot from shifting. For each foot size the same steps will be taken to position and secure the foot to the Presser Foot Holder/Shank. Proper alignment of the foot places the needle in the correct position to catch and secure the yarn to the fabric while stitching.



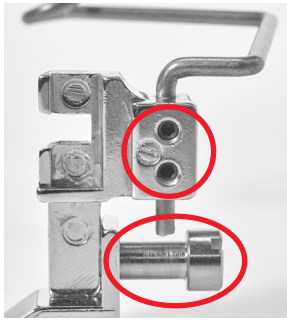
Foot not aligned.



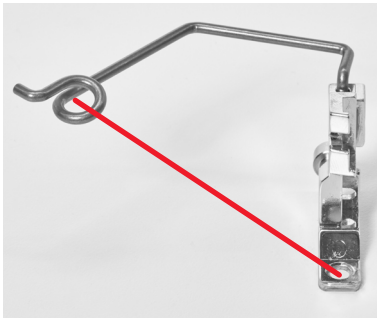
Foot aligned and screw tightened.

5mm foot used in both photos.

3. **Important Information:** The Yarn Path Guide has been set in the correct position in the Presser Foot Holder/Shank by Baby Lock. The position of the Yarn Path Guide is aligned with the opening on the foot ensuring the yarn will be in the ideal position for the needle when stitching. Regardless of the foot size selected, the Yarn Path Guide remains in the same position. If by chance the Yarn Path Guide should move from the set position, loosen (just enough to move the guide) the Allen screws (but do not remove the Allen screws) on the side of the Presser Foot Holder/Shank. Reposition the Yarn Path Guide to the original position and tighten both Allen screws. To confirm, the position of the Yarn Path Guide has been set by Baby Lock to ensure alignment of the yarn with the foot and should not be adjusted.



Yarn Path Guide and couching foot screw in position.



Yarn Path Guide aligned with the opening on the foot.

NOTE: The above steps should only be taken if the position of the Yarn Path Guide has changed and is no longer aligned with the foot opening.

Set-up of the Yarn Couching Guides and the Yarn Couching Foot:

1. Insert the Yarn Guide into position on the top left side of the machine.



Yarn Guide in position.

2. Open the top cover and place the yarn in the recessed area on the left. Remove several lengths/yards of yarn from the skein/ball.

NOTE: If the top cover of the machine does not open to a flat position place the yarn on the top of the machine.



Top cover open with yarn in position.

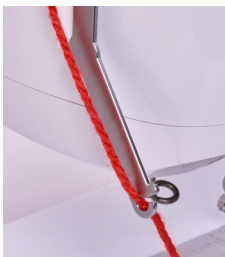


Top cover closed with yarn in position.

3. Place the yarn in both the top (first) and bottom (second) guide on the Yarn Guide.

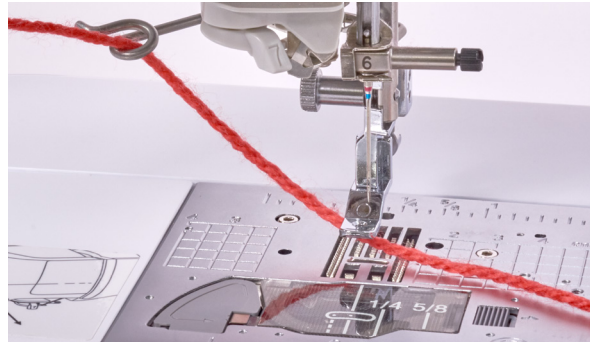


Yarn in top and bottom guide.



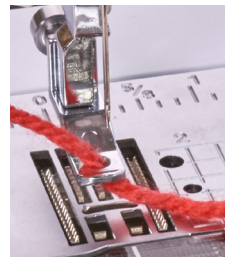
Yarn in Yarn Guide.

4. Place the yarn in the Yarn Path Guide on the Yarn Couching foot.

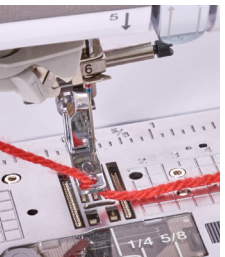
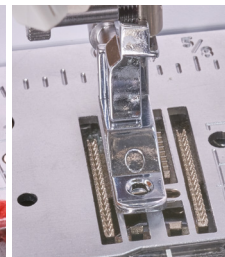


Yarn positioned in Yarn Path Guide.

5. Place the yarn through the opening on the Yarn Couching Foot using either the yarn threader (wire), tweezers or a dental floss threader to pass the yarn through the opening on the foot and underneath the foot. With the yarn in position, pull the yarn creating a 6-8" tail from the opening on the foot. Any yarn tails will be brought to the underside of the fabric to complete the embroidery design when stitching is completed.



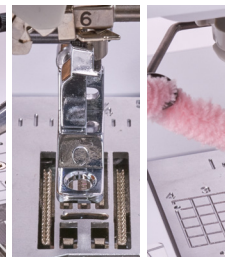
#3 yarn inserted in Yarn Couching foot 2mm.



Thread tail from Yarn Couching foot, 6-8".



#6/#7 weight yarn inserted in 5mm couching foot and Yarn Guide.



NOTE: When working with #5, #6 & #7 weight yarns it may be necessary to bypass the top guide on the Yarn Guide due to the pull or drag on the yarn as it moves through this guide. Always start with the yarn in the first guide and remove only if needed, and position to the right at the top of the Yarn Guide.



Yarn position when bypassing the top guide on the Yarn Guide when using #6/#7 weight yarn.

6. Insert and thread the selected needle size and type. The needle can be in position and threaded before positioning the yarn. If the needle is in position, ensure that it does not catch the yarn (position presser foot in the lowest position and the needle in the highest position) when passing the yarn through the foot opening.

Getting Ready to Stitch:

1. When stitching yarn couching designs, the **embroidery speed must be set at 350spm**. The embroidery speed for the built-in yarn couching designs is automatically set at **350spm** when a yarn couching design is selected. When using designs that are not built-in, the embroidery speed **must be changed to 350spm** prior to stitching. These would include purchased designs such as the Design Suite Yarn Couching Collections from Baby Lock and/or other sources that yarn couching designs have been purchased from.
2. With the embroidery unit attached, select the Settings key located at the top of the screen. Using the forward page key, move through the pages until the screen with "Embroidery Speed" appears. Locate **350spm** and select this setting. If you are unfamiliar with the machine settings on your machine, refer to the Instruction and Reference Guide or if your machine happens to have the guide available on the machine refer to this section in the guide. Once selected exit the settings function.
3. With the needle and bobbin threaded, fabric and stabilizer hooped, yarn couching foot attached, yarn in position, embroidery design selected, embroidery speed at **350spm** the design is ready to be stitched out.
4. With the yarn skein/ball in position, remove several lengths/yards of yarn from the skein/ball. While stitching, watch the yarn making sure the yarn moves freely through each of the guides and does not become tangled.
5. If the needle is not catching the yarn while stitching, the position of the foot can be adjusted. When adjusting the position of the foot, make a small adjustment, secure the foot, and continue stitching. Also check the movement of the yarn through each of the guides making sure the yarn is not pulled or stretched while stitching. And finally, make sure that there is enough yarn pulled from the skein/ball while stitching.
6. Continue removing yarn from the yarn skein/ball until stitching is completed.



Stitching design.



Completed design.

7. With the design completed, the thread tails will need to be pulled to the backside of the fabric. Using either a tapestry or upholstery needle, place the yarn tail through the needle eye. The larger yarns #5/#6 & #7 or jumbo yarns will require the use of an upholstery needle due to the larger eye, which is ideal for these yarn sizes. With the yarn in position in the needle eye pass the needle from the front to the back pulling the yarn through both the fabric and stabilizer. Secure yarn tails with a knot, sew into stitches on the back, or place close to the design (trim if needed) and cover with fusible interfacing. These are just a few ways to handle the yarn tail.



Tapestry and Upholstery needle.



Yarn placed in needle eye.



Needle positioned in fabric.



Yarn tail on backside of fabric.



Both yarn tails pulled to backside of fabric.



Front side after yarn tails pulled to the backside.

To view instructional videos using the Yarn Couching Foot Set, yarn types and sizes, along with tips on stitching and additional information on Yarn Couching with Baby Lock scan the QR code.



NOTE: The individual feet from the Yarn Couching Embroidery Foot Set may also be referred to as a sole.



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