SAILRITE®
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CANVAS & SAIL

Package for Ultrafeed® LS

USE & INSTALLATION GUIDE

SEW CANVAS & SAILCLOTH LIKE A PRO

Outfit your Ultrafeed® LS Sewing Machine with the tools and accessories you need to tackle canvaswork and sailmaking. This comprehensive package contains everything you need to get started. Take your sewing to the next level with these must-have DIY essentials.

Table of Contents

Choosing Thread & Needle Sizes 1
Needle Installation 2
Needle Point Types 3
Basting Tape 4
Presser Feet 5
Presser Foot Installation 6
Swing-Away Binder 7
Swing-Away Binder Installation 8
Sewing Accessories & Tools 9-10
Additional Packages 11-12
Service & Support ..... Back Cover

Choosing Thread & Needle Sizes

Sailrite offers a wide variety of needle and thread types and sizes. Included in this package is a great starter offering for canvas and sail sewing. Choose UV Bonded Polyester Thread for its superior UV resistance compared to nylon thread.

Visit **Sailrite.com** to shop our entire lineup of needles and threads.

THREAD SIZE	NEEDLE SIZE
Tex 70	#16 or #18
Tex 90	#18-#22

View our full range of needle and thread recommendations by searching #300032XHT at **Sailrite.com**.

Needle Size

Thread Size

Needle Installation

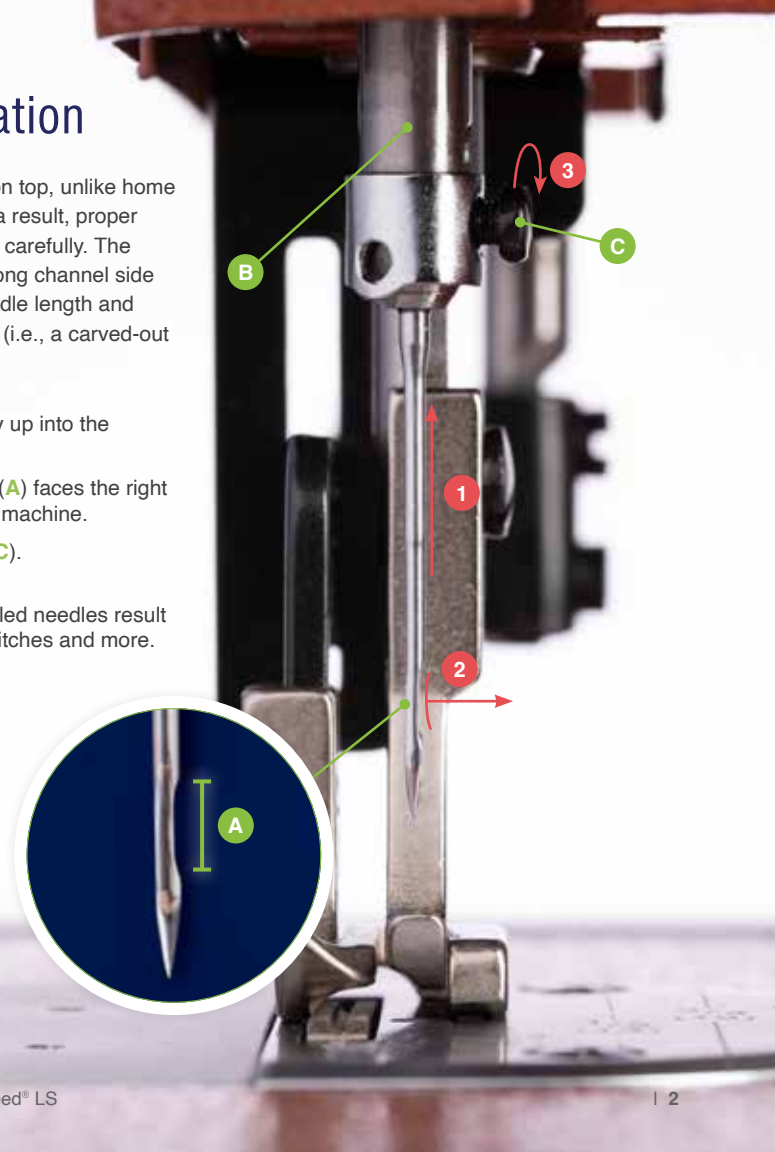
Ultrafeed needles are round on top, unlike home sewing machine needles. As a result, proper installation must be exercised carefully. The needles have two sides: the long channel side with a groove running the needle length and the side with a short scarf (A) (i.e., a carved-out area) above the needle eye.

1. Push the needle all the way up into the needle bar (B).
2. Rotate needle so the scarf (A) faces the right as you face the front of the machine.
3. Tighten the needle screw (C).

CAUTION: Improperly installed needles result in thread breaking, skipped stitches and more.

- A Scarf
- B Needle bar
- C Needle screw

Scan to watch a video on how to install a needle.



Needle Point Types

Ultrafeed Sewing Machines require 135x17 or 135x16 needles sizes #10 to #22, all available at Sailrite. A size #20 needle is used for most canvaswork.

Note: Shop all sewing machine needle sizes and types at **Sailrite.com.**

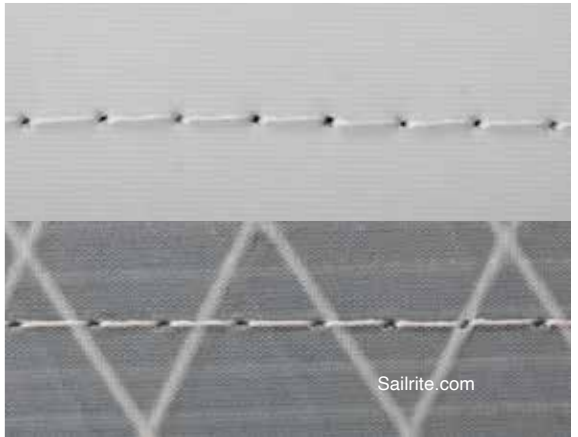
Round/Sharp Point Needle

(#123824, #123825)

Round/Sharp Point needles are the most common needle type. They can be used for all general sewing. These needles feature a sharp point and a round shank with no burrs, which can cause thread separation and skipped stitches.

SD1 Needle (#100806)

SD1 needles are specialty needles optimized for sewing dense fabrics. They are the needle type recommended for sewing thick applications where smaller needles deflect and bend. SD1 needles partially cut, and then push the fibers out of the way.



Basting Tape

Double-sided adhesive basting tape is the easiest and fastest way to bond material layers together before sewing. Basting prior to sewing prevents feeding problems and provides more accurate, even hems and water-resistant seams. Read our in-depth basting tape selection guide by searching #300456XHT at **Sailrite.com**.

3/8" Basting Tape for Canvas (#129)

The most popular type of basting tape, it adheres to marine acrylic, polyester and cotton duck fabrics. Use it when sewing biminis, dodgers and other canvaswork projects. It can also be used on indoor/outdoor woven upholstery fabrics for cockpit cushions, cabin seating and more.

3/8" Basting Tape for Sailmaking & Vinyl (#659)

This basting tape is recommended for smooth Dacron® sailcloth, nylon and PVC-coated tarp vinyl. Use this basting tape on marine upholstery and topping vinyls. It will not adhere well to woven canvas fabric.

Tips to Prevent Needle Gumming:

1. Change the needle frequently.
2. Clean the needle with rubbing alcohol or adhesive remover.
3. Run the needle through a bar of Ivory® soap before installing in your machine.

Presser Feet

Sailrite offers a variety of presser feet for the Ultrafeed LS Sewing Machine. The presser foot included in this package is the most useful foot for canvaswork and sailmaking.

Left Zipper Foot (#905)

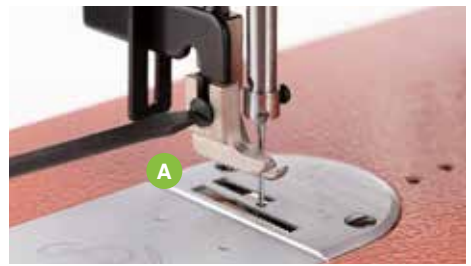
The Left Zipper Foot is crucial for installing zippers and boltrope. The right toe of the presser foot is removed, allowing you to sew extremely close to the zipper teeth and boltrope. The feeding surface of this zipper foot has the same teeth as the Sawtooth Foot that came with your Ultrafeed to help it feed thick and slick applications or walk over thickness transitions. The bulk of your material is outside of the sewing machine's arm, which makes it easy to sew large canvaswork and sails. Pair it with the Sawtooth Feed Dog and center foot that came installed on your LS.

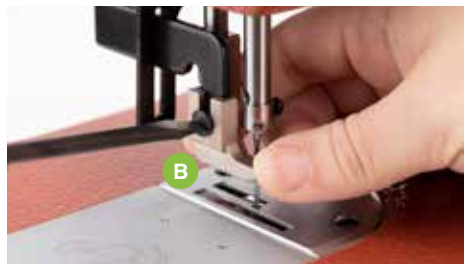
Presser Foot Installation

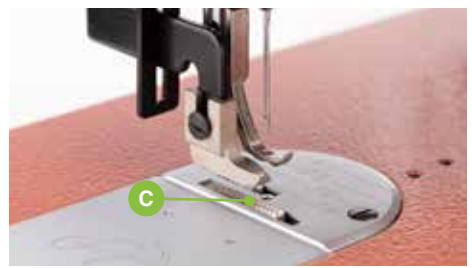
Scan to watch a video on how to install a presser foot.

How to Install an Outside Presser Foot

1. With the foot raised, rotate the balance wheel so that the outside foot is at its highest position (A).
2. Loosen the screw on the outside foot enough to slip off the foot currently on the machine. Leave the center foot installed.
3. Slide the Left Zipper Foot into place. Make sure it is resting firmly against the outside foot and loosely tighten the screw to hold the foot in place (B).
4. Rotate the balance wheel by hand until the feed dog is at its highest position (C).
5. Lower the foot and ensure that the outside foot teeth mesh with the teeth on the feed dog (D). Firmly tighten the foot screw.



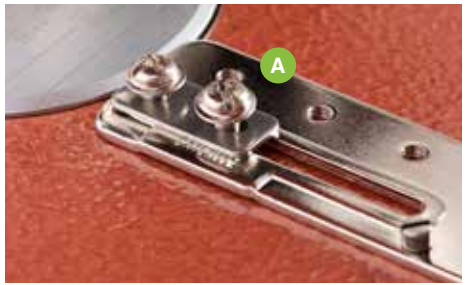


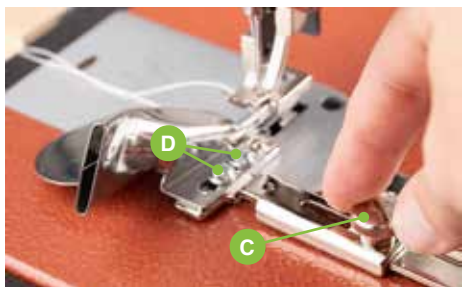


1" Swing-Away Binder (#100103)

This binder is a must-have for canvasworkers. Skip hemming and finish edges on awnings, dodgers, biminis, bags and more with this essential machine attachment. The binder automatically guides and folds binding tape into place over the fabric edge as you sew. After installing your binding, swing the binder out of the way and continue sewing — no need to remove it.

Swing-Away Binder Installation





1. Swing the binder feeder out of the way during installation. Position the binder slot over the two screw holes in the bed of your machine. Thread the two screws onto the two-hole washer and loosely install by hand (**A**).

2. Adjust the base of the binder as desired before fully tightening the screws. We recommend placing it as far to the right of the presser foot as possible (**B**). Firmly tighten the screws in place.

3. Loosen the thumbscrew to adjust the location of the binder feeder left to right (**C**). Position the binder as close as possible to the foot assembly without touching the foot or feed dog. The binder should not come into contact with the foot or feed dog when sewing. Tighten the thumbscrew to secure the binder feeder in place.

Note: To move the binder closer or farther from the foot, loosen two screws (**D**) to reposition.

Scan to watch a video on how to install the binder.

Sewing Accessories & Tools

Deluxe 5-1/2" Magnetic Sewing Guide

(#103597)

This magnetic sewing guide is the easiest, most efficient way to keep your seams straight. The aggressive holding power of the high-strength magnets keeps the guide firmly in place while sewing even heavy and thick assemblies. The unique construction and raised rubber pads won't scratch your Ultrafeed the way a metal sewing guide might. Ideal uses include stitching prefolded hems and creating the first stitch of a flat felled seam. Turn the guide sideways when sewing around corners or when a shorter surface is needed.

Seam Ripper Deluxe

(#18104)

Having a seam ripper nearby to rip out and redo sewing mistakes is invaluable. This quality seam ripper features a very narrow beak, sharp cutting face and a protective ball on the hook to help prevent cutting fabric. Seam rippers are also used to open a finished zipper assembly. A wide, flat handle prevents the seam ripper from rolling away and provides an easier grip.

More Ultrafeed Packages to Explore!

Are you ready to expand from canvaswork and sailmaking? We have machine accessory packages for a variety of sewing pursuits. Carefully chosen by the Sailrite experts, these packages contain everything you need to take your sewing career to new and exciting places.

Broaden your DIY horizons with our unique Ultrafeed packages.

Bag Making

(#124183)

Are you thinking about getting into bag making? This package is exactly what you're looking for. With a specialty presser foot set, a 3/4-inch binder attachment and notions every bag maker needs, it has everything you need to expand your DIY skill set. Sew totes, duffles, backpacks and more with our Ultrafeed Bag Making Package.

Speed Reduction Upgrade

(#123372)

When you need the most control and slow-speed precision, choose the Speed Reduction Upgrade. This package includes the accessories you need to gear down your motor, giving you the most control over your sewing. A hand crank pairs with the Monster® II Balance Wheel so you can sew manually without electricity, making this package a great choice for on-the-go sewing and repair jobs.

Buy Every Package!

There are no duplicates other than consumable notions and items like fabric clips, where having more is always helpful.

Upholstery & Home Décor

(#123362)

Outfit your Ultrafeed with everything you need to sew upholstery and home décor projects. Chosen by the DIY experts, the items in this package include important machine attachments and notions such as bobbins, thread snips and a cording presser foot set. Take your sewing skills to the next level with this unique package.

Leather Craft

(#123370)

Interested in leatherwork? This package has everything you need to craft one-of-a-kind leather goods. In this unique collection of leather sewing accessories, you'll find important machine attachments and notions for sewing all types of leather. Begin your leather-crafting journey with these must-have leather sewing essentials.

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Service & Support

The quality items included in this Canvas & Sail Package for Ultrafeed® LS were chosen with utmost consideration and thought. We stand behind our quality products and we're constantly improving our product offerings to bring our customers the best, most useful sewing accessories. Please email **info@sailrite.com** or call **260-244-4647** with any questions about this package.

Our knowledgeable support crew is here to help!

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Instructions for Canvas & Sail Package for Ultrafeed® LS

Qty: 1

Sailrite.com

Equipping you to sew

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