

# The Ultrafeed® LS or LSZ: Which Do I Need?

## Comparing the Similarities & Differences of the Ultrafeed LS & LSZ

The biggest difference between the two versions of the Ultrafeed is that the LS sews straight stitches only and the LSZ sews both straight and zigzag stitches. This chart compares the technical aspects and components of each machine to illustrate how they differ.

TECHNICAL COMPONENTS & PHYSICAL ASPECTS	ULTRAFEED LS	ULTRAFEED LSZ
15mm-wide straight stitch walking presser foot	✓	
19mm extra-wide zigzag walking presser foot		✓
1 stitch per second up to 550 stitches per minute with WorkerB® Balance Wheel	✓	✓
1/2 stitch per second up to 260 stitches per minute with Monster® II Balance Wheel	✓	✓
9.5mm (3/8") presser foot lift	✓	✓
Straight stitch	✓	✓
Zigzag stitch		✓
Variable stitch length (up to 6mm)	✓	✓
Stitch width adjustment (up to 5mm)		✓
Stitch width lever		✓
34mm needle bar stroke	✓	✓
Needle positioning lever (left, right, center)		✓
Patented Posi-Pin® Safety Shear	✓	✓
WorkerB® Balance Wheel included	✓	✓
EZ Set™ Stitch Length Plate	✓	✓
Spring-loaded stitch length lever	✓	✓
4,500-5,000 rpm motor	✓	✓
Electronic variable speed foot control	✓	✓
7" x 4.5" underarm space	✓	✓
Needle plate markings for seam allowances	✓	✓
All-metal casting and internal parts	✓	✓
Patented scarfed gib hook	✓	✓
WorkerB® Power Pack with 0.25 hp, 90 VDC motor	✓	✓
Welting tunnel in foot for piping	✓	✓
Double Cording Foot (Sold Separately)	✓	
Compatible with Monster® II and Power Plus® Balance Wheels	✓	✓
Five-year limited warranty	✓	✓

## What Kind of Sewing Do You Do?

The type of sewing you do and the projects you work on will help determine whether you need the Ultrafeed LS straight stitch only machine or the straight stitch and zigzag capable Ultrafeed LSZ. This chart lists some common sewing projects and techniques with the recommended stitch type for each.

RECOMMENDED STITCH BY PROJECT OR TECHNIQUE	STRAIGHT STITCH	ZIGZAG STITCH
Sail repair and sailmaking*		✓
Canvaswork	✓	
Bags (duffle, sail, carry-all, tote, etc.)	✓	
Upholstery	✓	
Awnings	✓	
Binding on scalloped awnings		✓
Boat covers (winch, sail, fender, hatch, dinghy, etc.)	✓	
Dodgers and biminis	✓	
Bar tacking		✓
Decorative stitching		✓
Stretchy fabrics (neoprene, knits)		✓
Serging		✓
Clothes and accessories (jacket, wallet, purse, etc.)	✓	✓
Trampolines	✓	
Draperies and window treatments	✓	
Pillows and cushions	✓	
Leatherwork	✓	
RV and automotive upholstery	✓	

\*Sails should be sewn with zigzag stitches. The zigzag stitch helps distribute stress more evenly on the seams of the sailcloth. It also offers more flexibility and stretch than a straight stitch, which is crucial for sail construction.