

# BERNINA® 8 SERIES feature explanation and model comparison

GENERAL FEATURES	830	820
<b>Centrally located, colour touch screen</b> Ideally located for easy viewing the touch screen control is clear and easy to use. The large TFT screens on the 8 Series are ultra-responsive with high resolution colours.	7 inch TFT	5 inch TFT
<b>Jumbo bobbin</b> 40% more thread capacity than standard bobbins.	•	•
<b>Illumination</b> The 8 series has complete illumination of entire free arm. Other models offer the U-Shaped Bernina CFL Hi-light to brightly light the needle working area.	30 LEDs	30 LEDs
<b>Automatic needle threading</b> For easy needle threading – the 8 series is fully automatic, other models use a hand-operated unit.	Fully auto	Fully auto
<b>Needle memory</b> On-screen setting/viewing of needle type.	•	•
<b>Drag &amp; Drop editing</b> Simple drag and drop for positioning of sewing and embroidery designs.	•	
<b>Personal program</b> Records your individually altered stitch patterns for easy repeats.	• 4 folders	• 2 folders
<b>Eco mode</b> Stand-by mode for saving energy.	•	•
<b>On-screen help &amp; training</b> Help where and when you need it – information about functions, on-screen animations demonstrating common tasks, creative consultant for professional advice on sewing tasks.	• Help; Animations; Creative-Consultant; Tutorials	• Help; Animations; Creative-Consultant; Tutorials
<b>DC motor</b> Full power even at stitch by stitch speeds for easy sewing of the heaviest fabrics.	• Ultra high power	• Ultra high power
<b>Hook system</b> The CB Shuttle is the traditional Bernina mechanism that produces the legendary Bernina stitch quality. The Bernina rotary hook produces a comparable stitch quality and allows an extra wide zig-zag, bobbin thread monitoring and automatic thread cutting.	• 8 Series Rotary	• 8 Series Rotary
<b>USB connection</b> The most convenient way to connect to your machine.	• 2 for emb designs, updates	• 1 for emb designs, updates
<b>Bobbin winding while sewing</b> No need to hold up your sewing or embroidery. The 8 Series lets you control the amount of fill.	• With fill level control	• With fill level control
<b>Rotary knobs for stitch adjustment etc</b> For the most precise control of stitch width and length while you sew.	•	•
<b>Upper thread monitor</b> Stops the machine when the upper thread breaks or runs out.	•	•
<b>Bobbin thread sensor</b> Warns when bobbin thread runs low.	• enhanced	• enhanced

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<b>Automatic powered thread cutter</b> The upper and lower threads are cut automatically or at the touch of a button.	•	•
<b>Manual thread cutters</b> Ideally positioned cutting blades for simple and safe thread cutting.	3	3
<b>Electronic foot control with needle up/down</b> For consistent control and including a heel-tap feature to raise or lower the needle.	•	•
<b>Slide speed control/Start-stop button</b> Simple hand-operated slider and button to control the machine without using the foot control.	•	•
<b>SEWING FEATURES</b>		
<b>Maximum sewing speed (stitches per minute)</b> The 8 Series has the fastest sewing speed of any domestic machine, all other Bernina machines sew at a conventional high speed.	1100	1100
<b>Bernina Stitch Regulator (BSR)</b> Exclusive Bernina device for easy free-motion sewing and quilting (see page 5).	High Speed	High Speed
<b>Bernina Dual Feed</b> Built-in top and bottom feeding for hard to manage fabrics.	•	•
<b>Tapering</b> Create and adjust the taper before and after stitches for limitless design possibilities.	•	•
<b>Sideways motion</b> Sews any stitch pattern in multiple directions. Also allows large patterns and monograms without needing the embroidery module.	360 directions	
<b>Maximum stitch width (mm)</b>	9	9
<b>Temporary altered stitch memory</b> Your stitch settings are remembered even if you switch to another pattern and then back.	•	•
<b>Stitch memory</b> Records a sequence of patterns/letters for easy sewing and repeats.	Multiple	Multiple
<b>Knee operated presser foot lifter (FHS)</b> The Bernina knee-lifter or Free Hand System is an invaluable device that raises the presser foot, lowers the feed and releases the tension with a simple nudge of the knee letting you keep both hands on your work at all times.	•	•
<b>Needle positions</b> Multiple needle positions allow very precise sewing. Bernina machines can sew a pattern in any needle position.	11	11
<b>History stitches; Stitch counter</b> The history screen lets you easily select your recent stitches.	15	12

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SEWING FEATURES CONTINUED	830	820
<b>Securing function</b> Automatically secures a single pattern or combination by adding some on the spot stitches at the start and finish.	• Programmable	• Programmable
<b>Securing stitch</b> A straight stitch with automatic securing at the start and finish by a short reverse sequence. The quilter's version secures by sewing on the spot.	•	•
<b>Pattern begin</b> Start sewing at the beginning of a pattern or sequence wherever you stopped.	•	•
<b>Pattern end</b> No more half finished patterns – automatically stops sewing after the pattern has completed.	•	•
<b>Mirror-image</b> Lets you sew the mirror image of a pattern. H - horizontally, V - vertically.	H/V	H/V
<b>Continuous reverse sewing; Quick reverse</b> Easily sew backwards so no need to turn your work.	•	•
<b>Presser foot pressure adjustment</b> Adjustable pressure depending on your fabric. The 8 Series offers automatic sensing and adjustment.	Auto	Auto
<b>Basting stitch</b> An extra long stitch for tacking.	•	•
<b>Advanced memory buttonhole</b> Highly accurate measuring of buttonhole to required length with long term memory for exact repeats even after switching machine off. The 8 Series uniquely can adjust buttonhole width.	• width adjustment	• width adjustment
<b>On-screen buttonhole measuring</b> Hold a button to the screen and set length by adjusting knob.	•	•
<b>TOTAL STITCH PATTERNS</b>	<b>1162</b>	<b>773</b>
<b>TOTAL STITCHES (excl characters)</b>	<b>612</b>	<b>351</b>
Practical stitches	32	24
Decorative stitches	540	289
Quilting stitches	28	30
Buttonholes/eyelets	10/2	6/2
Alphabets	10+3	8
Automatic darning programs	2	2
Sideways-motion stitches	115	

# BERNINA<sup>®</sup> S SERIES feature explanation and model comparison

EMBROIDERY FEATURES	830
<b>Embroidery speed</b> The 830 embroiders faster than any other domestic machine – even for difficult designs.	1000
<b>Embroider sewing stitches</b> For superb quality stitching of buttonholes and pattern combinations.	•
<b>Endless Embroidery</b> All designs can be combined for continuous sewing, sizes can be adjusted automatically to the hoop and reference points are stitched for easy rehooping.	•
<b>Embroidery basting</b> Basting stitches are placed around the design to help placement.	•
<b>Jumbo hoop (400x260mm)</b> The largest hoop available without repositioning.	•
<b>Mega hoop (400x150mm)</b>	Opt
<b>Easy bobbin access</b> The Bernina front loading bobbin means you can replace the bobbin without removing your embroidery.	•
<b>Resizing of designs</b> Change design size – the stitches are adjusted to suit.	•
<b>Word art</b> Present your lettering curved or vertically.	•
<b>Free arm embroidery</b> Ability to embroider tubular items such as sleeves.	3 hoops
<b>Rotate, mirror image, combine designs</b>	•
<b>Number of alphabets</b>	10
<b>Number of designs included</b>	150
<b>Editing of designs on-screen</b>	•
<b>Adjust stitch density; Pull compensation</b>	•
<b>View of stitch-out time, colour, size, stitches</b>	•
<b>Embroidery hoops as standard</b>	4
<b>Design Collection CD/USB sticks</b>	1 + Opt
<b>PC Customising software</b> Simple software to add lettering, resize and recolour designs. ART Design includes true-type fonts and multi formats.	ARTDesign
<b>Designer software</b> Professional quality embroidery design software available in 2 versions.	Opt

# BERNINA<sup>®</sup> S SERIES accessories

ACCESSORIES	830	820
Reverse pattern foot (standard foot)	Std + dual feed	Std + dual feed
Overlock foot	•	opt
Automatic buttonhole foot	•	•
Buttonhole foot	•	opt
Zipper foot	Dual feed	Dual feed
Blindstitch foot	•	•
Jeans foot	Opt	Opt
Button-sewing-on foot	•	Opt
Darning foot	Opt	Opt
Open embroidery foot	•	•
Sideways-motion foot	•	
1/4" patchwork foot	Opt	Dual feed
Walking foot	Opt	Opt
Instructional CD	DVD	DVD
Slide-on sew table	•	•
Soft cover	•	•
Compartmented accessory boxes	1	1
CD/USB stick with designs	•	
Bernina precision presser feet and accessories	70+ Opt +dual Feed feet	70+ Opt +dual Feed feet
Multiple spool-holder	•	•
Magnifying glass set	Opt	Opt