

# My **BERNINA** Product Guide

## BERNINA Machine Feature Comparison – Sewing & Embroidery

### Sewing Features

<b>BERNINA Model</b>	<b>880</b>	<b>790</b>	<b>770 QE</b>	<b>740</b>	<b>580</b>	<b>570 QE</b>	<b>560</b>	<b>530</b>	<b>380</b>	<b>350 PE</b>	<b>330</b>	<b>215</b>	<b>1008</b>	
<b>General Features</b>														
<b>Centrally Located Touch Screen</b> Ideally located, the touch screen is clear and easy to use. <i>The TFT screens are ultra-responsive with high resolution colors.</i>	7" TFT Color	7" TFT Color	4.3" TFT Color	4.3" TFT Color	4.3" TFT Color	4.3" TFT Color	4.3" TFT Color	4.3" TFT Color	LCD B & W	LCD B & W	LCD B & W	LCD B & W	LCD B & W	Stitch Selection Chart (no screen)
<b>Stitch Access</b> Intuitive access to stitches allows you to focus on creativity.	Touch Screen	Touch Screen	Touch Screen	Touch Screen	Touch Screen	Touch Screen	Touch Screen	Touch Screen	One Touch System + Navigation Keys	One Touch System	One Touch System	One Touch System	One Touch System	Stitch Lever
<b>Illumination</b> The 8 Series & 7 Series have bright illumination in the needle area and over the free arm. The brightness is adjustable. The B 790 & B 770 also have lighting in bobbin area.	30 LEDs	30 LEDs + Bobbin Area	30 LEDs + Bobbin Area	30 LEDs	12 LEDs	12 LEDs	12 LEDs	12 LEDs	8 LEDs	8 LEDs	8 LEDs	8 LEDs	LED	Standard Bulb
<b>On-screen Help</b> Find help where and when you need it, including Function Information, Animations, Creative Consultant and Tutorials.	Help Animations Creative Consultant Tutorials	Help Animations Creative Consultant Tutorials	Help Animations Creative Consultant Tutorials	Help Animations Creative Consultant Tutorials	Help Creative Consultant Tutorials	Help Creative Consultant Tutorials	Help Creative Consultant Tutorials	Help Creative Consultant Tutorials	Creative Consultant					
<b>Automatic Needle Threading</b> Thread the needle with ease. <i>The B 880 has a Fully Automated Threading System threading the machine and needle in one simple process.</i>	Fully Automatic	Semi Automatic	Semi Automatic	Semi Automatic	Semi Automatic	Semi Automatic	Semi Automatic	Semi Automatic	Semi Automatic	Semi Automatic	Semi Automatic	Semi Automatic	Semi Automatic	
<b>Extended Free Arm</b> The 8 Series and 7 Series have Extended Free Arm length offering outstanding maneuverability, freedom and comfort.	15" Length 12" to the Right of the Needle	13" Length 10" to the Right of the Needle	13" Length 10" to the Right of the Needle	13" Length 10" to the Right of the Needle										
<b>Powerful DC Motor</b> Full power at all speeds provides for consistent stitching on multiple layers & heavy fabrics.	•	•	•	•	•	•	•	•	•	•	•	•	•	AC

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<b>Separate Bobbin Winding Motor</b> Wind a bobbin quickly and <i>even</i> wind a bobbin while sewing!	● Fill Level Control	●	●	●	●	●	●	●	●	●	●		
<b>Eco Mode</b> Stand-by mode saves energy.	● Slideshow	● Slideshow	● Slideshow	● Slideshow	●	●	●						
<b>Hook System</b> The CB Shuttle is the traditional BERNINA mechanism that produces the legendary BERNINA stitch quality. The BERNINA Rotary Hook has a comparable stitch quality to the CB Shuttle and allows a 9 mm stitch width and bobbin thread monitoring. The innovative BERNINA Hook maintains the legendary BERNINA stitch quality, allows a 9 mm stitch width, easy bobbin case insertion, bobbin lighting, and bobbin thread monitoring.	8 Series Rotary	BERNINA Hook	BERNINA Hook	BERNINA Hook	Rotary	CB	Rotary	CB	CB	CB	CB	CB	CB
<b>Extra-large Bobbin Capacity</b> The 7 Series and 8 Series bobbins have 70% greater thread capacity than standard bobbins.	8 Series	7 Series	7 Series	7 Series	Standard Rotary	Standard CB	Standard Rotary	Standard CB	Standard CB	Standard CB	Standard CB	Standard CB	Standard CB
<b>BERNINA Adaptive Thread Tension</b> Once the tension is set according to the fabric and thread used, the thread tension is constantly monitored and adjusted automatically if needed resulting in the finest stitching without pressing a button.		●	●	●									
<b>Upper Thread Sensor</b> Indicates when the upper thread breaks or runs out.	● Enhanced	●	●	●	●	●	●						
<b>Bobbin Thread Sensor</b> Warns when the bobbin thread runs low.	● Enhanced	●	●		●		●						
<b>Automatic Thread Cutter</b> The upper and lower threads are cut automatically or at the touch of a button.	●	●	●	●	●		●						
<b>Manual Thread Cutter</b> Ideally positioned cutting blades offer simple and safe cutting.	●	●	●	●	●	●	●	●	●	●	●	●	●
<b>Electronic Foot Control</b> Enjoy consistent control plus a back-kick function to raise and lower the needle. <i>On the B 880, 790 &amp; 770, can also program back-kick to sew securing stitches, automatically cut upper &amp; lower threads and raise the presser foot.</i>	● Enhanced	● Enhanced	● Enhanced	●	●	●	●	●	Optional	Optional	Optional	Optional	

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<b>Start/Stop with Slide Speed Control</b> As an alternative to the traditional foot control, power the machine using the Start/Stop button and regulate the speed with the Slide Speed control.	•	•	•	•	•	•	•	•	•	•	•		
<b>USB Connection</b> Enjoy rapid and direct connectivity for information transfer.	2 Updates Embroidery Designs	1 Updates Embroidery Designs	1 Updates Embroidery Designs w/ optional module	1 Updates	1 Updates Embroidery Designs	1 Updates Embroidery Designs w/ optional module	1 Updates Embroidery Designs w/ optional module	PC Connection For Updates					
<b>Time Display / Alarm Clock</b> Program alarm time & personal alarm message.	•												
<b>Design Skin Compatible</b> Design Skins transform your BERNINA into a stylish, individualized machine. Select from stock or custom-created skins.												•	
<b>Sewing Features</b>													
<b>Maximum Sewing Speed</b> (stitches per minute) <i>The B 880 has the fastest sewing speed of any domestic sewing machine.</i>	1200	1000	1000	1000	1000	900	1000	900	900	900	900	900	900
<b>BERNINA Stitch Regulator (BSR)</b> The patented BERNINA Stitch Regulator (BSR) provides consistent free-motion stitching even at high speeds. All current models allow for both straight stitch & zigzag free-motion stitching with the BSR.	• Straight Stitch/ Zigzag (1200 spm)	• Straight Stitch/ Zigzag	• Straight Stitch/ Zigzag	Optional Straight Stitch/ Zigzag	• Straight Stitch/ Zigzag	• Straight Stitch/ Zigzag	Optional Straight Stitch/ Zigzag	Optional Straight Stitch/ Zigzag					
<b>Integrated BERNINA Dual Feed</b> The 8 Series and 7 Series integrated BERNINA Dual Feed ensures even feeding of hard-to-manage fabrics with beautiful results.	• Ability to Fine-tune (1000 spm)	•	•	•									
<b>Free Hand System (FHS)</b> Knee operated lever raises the presser foot, lowers the feed dog and releases the thread tension keeping your hands on the fabric while guiding and pivoting.	•	•	•	•	•	•	•	•	•	•	Optional		
<b>Maximum Stitch Length</b> (mm) The variable Stitch Length provides a smooth transition from length to length and can be adjusted while sewing.	6.0	6.0	6.0	6.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0

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<b>Maximum Stitch Width</b> (mm) The variable Stitch Width can be adjusted while sewing. The 9mm maximum stitch width available on some models expands your design possibilities.	9.0	9.0	9.0	9.0	9.0	5.5	9.0	5.5	5.5	5.5	5.5	5.5	5.5
<b>Needle Positions</b> Multiple Needle Positions allow for very precise sewing. You can sew most patterns in any needle position.	11	11	11	11	11	11	11	11	9	9	9	9	5
<b>Needle Stop Up/Down</b> Basic setting is needle stop up. Most models allow for selection of needle to stop in the raised (up) or lowered (down) position.	•	•	•	•	•	•	•	•	•	•	•	•	
<b>Needle Minder</b> Store settings for needle type.	•	•	•	•									
<b>Directional &amp; Sideways-motion Stitching</b> Multi-directional Sewing expands your decorative stitch possibilities.	360 Directions	360 Directions											
<b>Tapering</b> Create and adjust the stitch taper before and after decorative stitch applications for unlimited design possibilities.	•	•											
<b>Distorting Stitch Patterns</b> Distort Stitch Patterns left/right and forward/backward in .01mm increments for decorative effects.	•	Balance Bonus											
<b>Stitch Designer</b> Create your own stitches or edit existing stitch patterns. 9mm & Sideways Motion Stitches can be designed.	•	•											
<b>Temporary Altered Stitch Memory</b> The Temporary Altered Stitch Memory remembers your stitch settings even if you switch to another pattern and then back.	•	•	•	•	•	•	•	•	•	•	•	•	
<b>Saved Stitch Settings</b> Save over the factory default stitch settings to personalize a stitch; remains in effect until you change back to default stitch settings.	•	•	•	•				•					
<b>Long-term Memory/Stitch Combinations</b> Create and store stitch combinations including lettering. Patterns remain in memory even after machine is turned off.	Personal Program	Personal Program	Personal Program	Personal Program	Personal Program	Personal Program	Personal Program	100 spaces	30 spaces	30 spaces	30 spaces		
<b>Import/Export Stitches via USB</b> Import and export sewing stitches and stitch combinations via USB.	•	•	•	•									

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<b>History Stitches</b> The History Screen lets you select your recent stitches.	24	24											
<b>Personal Program</b> Save your individually altered stitches for future retrieval.	• 4 folders	• 4 folders	• 4 folders	• 4 folders	•	•	•						
<b>Security Program</b> Select respective needle type (single, double, triple, etc.) and stitch plate type. Automatically limits width function respectively. Prevents needle from hitting foot and/or stitch plate, avoiding damage.	•	•	•	•	•	•	•						
<b>Securing Function</b> Automatically secures a single pattern or combination by adding some on the spot stitches at the finish.	• Ability to Program	• Ability to Program	• Ability to Program	• Ability to Program	•	•	•	•					
<b>Securing Stitch</b> Automatically secures at the start and finish of a task with a short reverse sequence straight stitch.	•	•	•	•	•	•	•	•	•	•	•		
<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; machine stops after pattern is complete.	• Ability to Program	• Ability to Program	• Ability to Program	• Ability to Program	•	•	•	•	•	•	•		
<b>Mirror Image of Stitch Patterns</b> Sew the mirror image of a stitch pattern with options. H = horizontal V = vertical	H / V	H / V	H / V	H / V	H / V	H / V	H / V	H	H				
<b>Pattern Elongation / Stitch Density</b> Extend stitch pattern length in 1% or 100% steps. Shortest length is 10%; maximum length is 1000%.	•	•	•	•	•								
<b>Pattern Repeat 1-9x</b> Program the machine to stop at the end of 1 – 9 repeats of a single stitch or stitch combination.	•	•	•	•	•	•	•	•					
<b>Long Stitch</b> Sews every second stitch; useful for practical and decorative applications.	•	•	•		•								
<b>Basting Stitch</b> Baste seams, hems and quilts.	• Long Stitch # 21	• Long Stitch # 21	• Long Stitch # 21	• Manual #30	• Long Stitch # 21	• Manual #30	• Manual #30	• Manual #30	• Manual #23	• Manual #21			
<b>Drag and Drop Editing in Sewing</b> Simple drag and drop allows for easy positioning of sewing combinations. Swipe to delete.	•	•	•	•									

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<b>Quick Reverse / Continuous Reverse</b> Sew backwards at a touch of a button / function.	•	•	•	•	•	•	•	•	•	•	•	•	
<b>Backstepping</b> The stitch pattern is accurately sewn in reverse stitch by stitch.	•	•	•	•									
<b>Presser Foot Pressure Adjustment</b> Adjust the foot pressure to eliminate skipped stitches on thick fabrics and wavy seams on knits.	•	•	•	•	•	•	•	•					
<b>Presser Foot Library</b> Access a built-in library of current presser feet and accessories.	•	•	•	•									
<b>Recommended Presser Foot Indicator</b> Indicator shows recommended presser foot for general use of stitch selected.	•	•	•	•	•	•	•	•	•	•	•	•	•
<b>Presser Foot Sensor System</b> Lets the machine know how wide a needle swing is safely possible with attached foot.	•	•	•	•	•		•						
<b>Program Hover Function</b> Activate Foot Hover with a quick tap of the Start/Stop button or program to work with the Needle Stop Down function.	•	•	•	•									
<b>Program Hover Height</b> Set the clearance between the presser foot and the feeddogs. Adjust from 0 – 7 mm (2mm is standard.)	•	•	•	•									
<b>Automatic One-Step Buttonhole with Memory Function</b> Quickly set the length of the One-Step Buttonhole. Held in memory, the same size buttonhole may be repeated. <i>Buttonhole slit width adjustment available on select models.</i>	• Slit Width Adjustment	• Slit Width Adjustment	• Slit Width Adjustment	• Slit Width Adjustment	• Slit Width Adjustment	• Slit Width Adjustment	• Slit Width Adjustment	•	•	•	•		
<b>On-screen Buttonhole Measuring</b> Hold a button to the screen and set the length by adjusting a knob.	•	•	•	•	•	•	•						
<b>Hopper Mechanism</b> For free-motion stitching, the hopper mechanism ensures the needle and presser foot are working with you to form beautiful stitches.	•	•	•	•	•	•	•	•	•	•	•	•	•

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<b>Sewing Stitch Packages</b>													
<b>Total Stitch Patterns</b>	1764	1352	992	800	935	642	700	395	221	191	97	11	17
Practical Stitches	38	32	30	29	31	29	29	22	20	18	15	10	14
Decorative Stitches Total	630	506	283	200	284	180	184	117	91	63	23		2
Quilting Stitches	66	34	50	23	28	30	24	12	12	11	3		
Sideways-motion Stitches	109	117											
Buttonholes / Eyelets	17/2	13/2	11/2	9/2	8/2	8/2	8/2	7/1	4	2	1	1	1
Button Sew-on Program	1	1	1	1	1	1	1	1	1	1	1		
Alphabets / Monograms	10/1	7/1	6	5	7	5	5	4	2	2	1		
Darning Programs	2	2	2	2	2	2	2	1	1	1	1		
<b>Feet &amp; Basic Accessories</b>													
<b>Feet as standard</b>	1C, 1D, 2A, 3A, 3C, 4D, 5, 18, 20C, 40C, 42 Emb: 26	1C, 1D, 2A, 3A, 4D, 5, 8D, 20C, 40C, 42 Emb: 26	1C, 1D, 3A, 4D, 20C, 97D, 42 Optional Emb - 26	1C, 1D, 3A, 4D, 20C	1C, 2A, 3A, 4, 5, 8, 20C, 42 Emb: 26	1, 3A, 4, 5, 20, 37, 42, Optional Emb - 26	1C, 2A, 3A, 4, 5, 20C Optional Emb - 26	1, 2, 3A, 4, 5	1, 2, 3A, 4, 5, 8, 20	Shank with Soles: 1, 4, 5, 20, 37. 3A foot 50 foot	Shank with Soles: 1, 2, 4, 5. 3A foot	Shank with Soles: 1, 2, 3, 4, 5	Shank with Soles: 1, 2, 3, 4, 5
<b>Straight/CutWork Stitch Plate as standard</b>	•	•	•										
<b>Slide-on Table with Seam Guide as standard</b>	•	•	• (No Guide)	• (No Guide)	•	•	• (No Guide)	•	• (No Guide)	• (No Guide)	• (No Guide)	• (No Guide)	• (No Guide)
<b>Accessory Case</b>	1 Accessory Wardrobe	1 Accessory Wardrobe	1 Accessory Wardrobe	1 Accessory Wardrobe	1 Accessory Wardrobe	1 Accessory Wardrobe	1 Accessory Wardrobe	1 Accessory Wardrobe	1 Accessory Box	1 Accessory Bag	1 Accessory Bag	1 Accessory Bag	1 Accessory Box
<b>Machine Cover / Carrier Bag</b>	Soft Cover	Soft Cover	Soft Cover	Soft Cover	Carrier Bag	Carrier Bag	Carrier Bag	Carrier Bag	Soft Cover	Soft Cover	Soft Cover	Soft Cover	Soft Cover
<b>Warranty</b>	20 years Mechanical; 5 Years Electronic; 2 Years Electrical												

## Embroidery Features

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<b>Embroidery Features</b>						
<b>Embroidery Speed</b> (stitches per minute) The BERNINA 8 Series & 7 Series have the fastest embroidery speed of any domestic sewing machine.	1000	1000	1000	680	680	680
<b>Embroidery Field</b> BERNINA offers a broad range of embroidery fields to fit your style of embroidery.	15.75" x 10.25" 400mm x 260mm	15.75" x 8.25" 400mm x 210mm	15.75" x 8.25" 400mm x 210mm	10" x 5.7" 255mm x 145mm	10" x 5.7" 255mm x 145mm	10" x 5.7" 255mm x 145mm
<b>Embroider Sewing Stitches</b> Import sewing stitches/stitch combinations into embroidery for stitching!	• Integrated	• Integrated				
<b>Endless Embroidery</b> Endless Embroidery helps you line up embroidery motifs in a vertical orientation and indicates the most precise placement for borders and re-hooping.	•	•				
<b>Shaping</b> Motifs and imported stitches can be arranged in different formations such as rectangles, circles, hearts, stars, arcs and more.	•					
<b>Drag and Drop Editing in Embroidery</b> Drag and Drop Editing allows for easy positioning of embroidery motifs.	•	•	•	•	•	•
<b>Rotate, Move, and Mirror Image Designs</b> Rotate, Move, and Mirror Image Embroidery Motifs for optimal placement on projects.	•	•	•	•	•	•
<b>Duplicate, Add/Combine Designs &amp; Lettering Onscreen</b> Duplicate Embroidery Motifs; add/combine multiple Embroidery Motifs; and add/combine Lettering onscreen.	•	•		•		
<b>Rescaling of Designs</b> Enlarge or reduce motifs proportionally onscreen. Increasing/decreasing in a range of +/- 20% provides the best results. <i>With the B 880 &amp; B 790, also scale motifs by height and/or width independently.</i>	•	•	•	•	•	•



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<b>Absolute Check</b> Check individual stitch locations for precise placement of your designs. On-screen, select any point within a design and the needle moves to that position.	•	•	•	•	•	•
<b>Check Box</b> Easily fine-tune your design placement with a Check Box. Trace a square around your design & activate centering for placement; the arm is also engaged to recognize the hoop.	•	•	•	•	•	•
<b>Built-in Embroidery Basting</b> Stitch your choice of basting stitches before embroidering. Choose to baste around your motif, the inner hoop or none at all.	•	•	•	•	•	•
<b>WordArt</b> Present your lettering on a variety of vertical, horizontal and curved baselines.	•	•		•		
<b>Adjust Stitch Density</b> Change Stitch Density to complement varied fabric.	•	•	•	•		
<b>Change Stitch Type</b> Change a satin stitch to a fill stitch to complement varied fabrics.	•	•	•	•		
<b>Color Wheel</b> Quickly change color-ways of your motif on-screen; new colors are assigned to the current thread library.	•					
<b>Stitch Motif as Single/Multi-Color</b> Stitch an entire motif in one color without stopping or as a multi-color design.	•	•	•	•	•	•
<b>Color Resequencing</b> When selected, colors are automatically resequenced by color group.	•	•		•		
<b>Change Thread Brand</b> Quickly change thread brand on-screen to suit your project at hand.	•	•	•	•	•	•
<b>View Stitch-out Time, Thread Colors, Size, Stitches</b> View design detail at a glance.	•	•	•	•	•	•
<b>Free Arm Embroidery</b> Embroider tubular items such as sleeves.	•	•	•	Optional	Optional	Optional

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<b>Embroidery Design Packages</b>						
<b>Built-in Embroidery Designs</b> Select from an assortment of built-in motifs for ready embellishment of projects.	400	270	140	100	50	70
<b>Built-in Embroidery Alphabet Fonts</b> Select from a variety of alphabets for easy personalization.	12	8	6	7	4	4
<b>Embroidery Accessories</b>						
<b>Embroidery Hoops as Standard</b>	Large Oval, Medium, Small	Large Oval, Medium, Small	Large Oval, Medium, Small	Large Oval, Medium	Large Oval, Medium	Large Oval, Medium
<b>Embroidery Hoops as Optional</b>	Jumbo,  Maxi,  Mega (no repositioning required)	Jumbo (partial field),  Maxi,  Mega (no repositioning required)	Jumbo (partial field),  Maxi,  Mega (no repositioning required)	Small,    Mega (repositioning required)	Small,    Mega (repositioning required)	Small,    Mega (repositioning required)
<b>Embroidery Foot as Standard</b>	26	26	26	26	26	26
<b>Carrier Bag</b>				•	•	•
<b>Embroidery Connectivity / Software</b>						
<b>USB Connection</b> Enjoy rapid and direct connectivity for design transfer and updates.	2	1	1	1	1	1
<b>BERNINA ArtLink Embroidery Software</b> Mirror, Rotate & Rescale motifs. Open & save designs in multiple formats.	Free Download	Free Download	Free Download	Free Download	Free Download	Free Download
<b>BERNINA Embroidery Software 7 DesignerPlus and EditorPlus</b> Expand your embroidery horizons with professional quality software in 2 versions.	Optional	Optional	Optional	Optional	Optional	Optional
<b>DesignWorks Tools &amp; Software</b> Add mixed media effects with the addition of CutWork, PaintWork and CrystalWork Tools and Software.	Optional	Optional	Optional	Optional	Optional	Optional