

My **BERNINA** Product Guide

BERNINA Machine Feature Comparison – Sewing & Embroidery

Sewing Features

BERNINA Model	880	790	770 QE	740	700	580	570 QE	560	530	350 PE	330	215	1008
General Features													
Centrally Located Touch Screen 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	7" 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	Stitch Selection Chart (no screen)
Stitch Access 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	Stitch Lever
Illumination 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	30 LEDs	12 LEDs	12 LEDs	12 LEDs	12 LEDs	8 LEDs	8 LEDs	LED	Standard Bulb
On-screen Help 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 Animations Creative Consultant Tutorials	Help Creative Consultant Tutorials	Help Creative Consultant Tutorials	Help Creative Consultant Tutorials	Creative Consultant				
Automatic Needle Threading 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	
Extended Free Arm 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	13" Length 10" to the Right of the Needle								
Powerful DC Motor Full power at all speeds provides for consistent stitching on multiple layers & heavy fabrics.	•	•	•	•	•	•	•	•	•	•	•	•	AC

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Separate Bobbin Winding Motor Wind a bobbin quickly and <i>even</i> wind a bobbin while sewing!	• Fill Level Control	•	•	•	•	•	•	•	•	•	•		
Eco Mode Stand-by mode saves energy.	• Slideshow	• Slideshow	• Slideshow	• Slideshow	• Slideshow	•	•	•					
Hook System 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, an easy bobbin case insertion and large capacity.	8 Series Rotary	BERNINA Hook	BERNINA Hook	BERNINA Hook	BERNINA Hook	Rotary	CB	Rotary	CB	CB	CB	CB	CB
Extra-large Bobbin Capacity The 8 Series bobbins have 80% greater & 7 Series bobbins have 70% greater thread capacity than standard bobbins.	8 Series	7 Series	7 Series	7 Series	7 Series	Standard Rotary	Standard CB	Standard Rotary	Standard CB	Standard CB	Standard CB	Standard CB	Standard CB
BERNINA Adaptive Thread Tension 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.		•	•	•	•								
Upper Thread Sensor Indicates when the upper thread breaks or runs out.	•	•	•	•	•	•	•	•					
Bobbin Thread Sensor Warns when the bobbin thread runs low.	•	•	•		•	•		•					
Automatic Thread Cutter The upper and lower threads are cut automatically or at the touch of a button.	•	•	•	•	•	•		•					
Manual Thread Cutter Ideally positioned cutting blades offer simple and safe cutting.	•	•	•	•	•	•	•	•	•	•	•	•	•
Electronic Foot Control Enjoy consistent control plus a back-kick function to raise and lower the needle. <i>On the B 880, 790 & 770, can also program back-kick to sew securing stitches, automatically cut upper & lower threads and raise the presser foot.</i>	• Enhanced	• Enhanced	• Enhanced	•	Optional	•	•	•	•	Optional	Optional	Optional	

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Start/Stop with Slide Speed Control 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.	•	•	•	•	•	•	•	•	•	•	•		
USB Connection 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	1 Updates Embroidery Designs w/ optional module	1 Updates Embroidery Designs w/ optional module	PC Connection For Updates				
Time Display / Alarm Clock Program alarm time & personal alarm message.	•												
Design Skin Compatible Design Skins transform your BERNINA into a stylish, individualized machine. Select from stock or custom-created skins.												•	
Sewing Features													
Maximum Sewing Speed (stitches per minute) <i>The B 880 has the fastest sewing speed of any domestic sewing machine.</i>	1200	1000	1000	1000	NA	1000	900	1000	900	900	900	900	900
BERNINA Stitch Regulator (BSR) The patented BERNINA Stitch Regulator (BSR) provides consistent free-motion stitching even at high speeds. Some 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	NA	• Straight Stitch/ Zigzag	• Straight Stitch/ Zigzag	Optional Straight Stitch/ Zigzag	Optional Straight Stitch/ Zigzag				
Integrated BERNINA Dual Feed 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)	•	•	•	NA								
Free Hand System (FHS) 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.	•	•	•	•	NA	•	•	•	•	•	Optional		
Maximum Stitch Length (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	NA	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0

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

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Import/Export Stitches via USB Import and export sewing stitches and stitch combinations via USB.	•	•	•	•	NA								
History Stitches The History Screen lets you select your recent stitches.	24	24			NA								
Personal Program Record your individually altered stitches for future retrieval.	• 4 folders	• 4 folders	• 4 folders	• 4 folders	NA	•	•	•					
Security Program 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.	•	•	•	•	NA	•	•	•					
Securing Function 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	NA	•	•	•	•				
Securing Stitch Automatically secures at the start and finish of a task with a short reverse sequence straight stitch.	•	•	•	•	NA	•	•	•	•	•	•		
Pattern Begin Start sewing at the beginning of a pattern or sequence wherever you stopped.	•	•	•	•	NA	•	•	•	•				
Pattern End No more half-finished patterns; machine stops after pattern is complete.	• Ability to Program	• Ability to Program	• Ability to Program	• Ability to Program	NA	•	•	•	•	•	•		
Mirror Image of Stitch Patterns Sew the mirror image of a stitch pattern with options. H = horizontal V = vertical	H / V	H / V	H / V	H / V	NA	H / V	H / V	H / V	H				
Pattern Elongation / Stitch Density Extend stitch pattern length in 1% or 100% steps. Shortest length is 10%; maximum length is 1000%.	•	•	•	•	NA	•							
Pattern Repeat 1-9x Program the machine to stop at the end of 1 – 9 repeats of a single stitch or stitch combination.	•	•	•	•	NA	•	•	•	•				
Long Stitch Sews every second stitch; useful for practical and decorative applications.	•	•	•		NA	•							
Basting Stitch Baste seams, hems and quilts.	• Long Stitch # 21	• Long Stitch # 21	• Long Stitch # 21	• Manual #30	NA	• Long Stitch # 21	• Manual #30	• Manual #30	• Manual #30	• Manual #21			

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

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

Embroidery Features

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Embroidery Features							
Embroidery Speed (stitches per minute) The BERNINA 8 Series & 7 Series have the fastest embroidery speed of any domestic sewing machine.	1000	1000	1000	1000	680	680	680
Embroidery Field BERNINA offers a broad range of embroidery fields to fit your style of embroidery.	15.75" x 10.25" <i>400mm x 260mm</i>	15.75" x 8.25" <i>400mm x 210mm</i>	15.75" x 8.25" <i>400mm x 210mm</i>	15.75" x 8.25" <i>400mm x 210mm</i>	10" x 5.7" <i>255mm x 145mm</i>	10" x 5.7" <i>255mm x 145mm</i>	10" x 5.7" <i>255mm x 145mm</i>
Embroider Sewing Stitches Import sewing stitches/stitch combinations into embroidery for stitching!	• Integrated	• Integrated					
Endless Embroidery Endless Embroidery helps you line up embroidery motifs in a vertical orientation and indicates the most precise placement for borders and re-hooping.	•	•		•			
Shaping Motifs and imported stitches can be arranged in different formations such as rectangles, circles, hearts, stars, arcs and more.	•						
Drag and Drop Editing in Embroidery Drag and Drop Editing allows for easy positioning of embroidery motifs.	•	•	•	•	•	•	•
Rotate, Move, and Mirror Image Designs Rotate, Move, and Mirror Image Embroidery Motifs for optimal placement on projects.	•	•	•	•	•	•	•
Duplicate, Add/Combine Designs & Lettering Onscreen Duplicate Embroidery Motifs; add/combine multiple Embroidery Motifs; and add/combine Lettering onscreen.	•	•		•	•		
Rescaling of Designs Enlarge or reduce motifs proportionally onscreen. Increasing/decreasing in a range of +/- 20% provides the best results. <i>With the B 880, B 790 & B 700, also scale motifs by height and/or width independently.</i>	•	•	•	•	•	•	•

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Absolute Check 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.	•	•	•	•	•	•	•
Check Box 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.	•	•	•	•	•	•	•
Pinpoint Placement Select 2 points on screen and match them with 2 points on the hooped project and have the motif aligned, rotated or resized to fit the designated area. No additional tools or aids are necessary.				•			
Invisible Secure Enhanced tie-on/off stitch formation is completely invisible.				•			
Smart Secure Add securing stitches to any design without built-in tie on/off stitches.				•			
Embroidery Consultant Embroider with confidence with the on-board assistance for 12 creative subjects.				•			
Thread-up Command Control the bobbin thread tail for all projects or specific projects such as quilting and free-standing lace.				•			
Programmable Jump Stitch Cutting Set any length of jump stitches to be cut and eliminate manual cutting.				•			
Thread Away Mode An automatic, quick movement of the hoop ensures thread tails are transferred to the wrong side of the project.				•			
Built-in Embroidery Basting Stitch your choice of basting stitches before embroidering. Choose to baste around your motif, the inner hoop or none at all.	•	•	•	•	•	•	•
WordArt Present your lettering on a variety of vertical, horizontal and curved baselines.	•	•		•	•		
Adjust Stitch Density Change Stitch Density to complement	•	•	•	•	•		

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varied fabric.							
Change Stitch Type Change a satin stitch to a fill stitch to complement varied fabrics.	•	•	•	•	•		
Color Wheel Quickly change color-ways of your motif on-screen; new colors are assigned to the current thread library.	•						
Stitch Motif as Single/Multi-Color Stitch an entire motif in one color without stopping or as a multi-color design.	•	•	•	•	•	•	•
Color Resequence When selected, colors are automatically resequenced by color group.	•	•		•	•		
Change Thread Brand Quickly change thread brand on-screen to suit your project at hand.	•	•	•	•	•	•	•
View Stitch-out Time, Thread Colors, Size, Stitches View design detail at a glance.	•	•	•	•	•	•	•
Free Arm Embroidery Embroider tubular items such as sleeves.	•	•	•	•	Optional	Optional	Optional
Embroidery Design Packages							
Built-in Embroidery Designs Select from an assortment of built-in motifs for ready embellishment of projects.	400	270	140	320	100	50	70
Built-in Embroidery Alphabet Fonts Select from a variety of alphabets for easy personalization.	12	8	6	18	7	4	4
Embroidery Accessories							
Embroidery Hoops as Standard	Large Oval, Medium, Small	Large Oval, Medium, Small	Large Oval, Medium, Small	Large Oval, Medium, Small	Large Oval, Medium	Large Oval, Medium	Large Oval, Medium
Embroidery Hoops as Optional	Jumbo, Maxi, Mega (no repositioning required)	Jumbo (partial field), 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)
Embroidery Foot as Standard	26	26	26	26	26	26	26

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Straight Stitch Plate as Standard	•	•	•	•			
Multiple Spool Holder as Standard With room for 15 spools for easy access				•			
BERNINA PunchWork Tool Compatible	•	•	•	•	•	•	•
Carrier Bag					•	•	•
Embroidery Connectivity / Software							
USB Connection Enjoy rapid and direct connectivity for design transfer and updates.	2	1	1	1	1	1	1
BERNINA ArtLink Embroidery Software Mirror, Rotate & Rescale motifs. Open & save designs in multiple formats.	Free Download	Free Download	Free Download	Free Download	Free Download	Free Download	Free Download
BERNINA Embroidery Software 8 DesignerPlus and EditorPlus Expand your embroidery horizons with professional quality software in 2 versions.	Optional	Optional	Optional	Optional	Optional	Optional	Optional
DesignWorks Tools & Software Add mixed media effects with the addition of CutWork, PaintWork and CrystalWork Tools and Software.	Optional	Optional	Optional	Optional	Optional	Optional	Optional