

BERNINA 7 SERIES

JOY OF PRO



BERNINA *made to create*

B 790 PRO

The next level of sewing, quilting and embroidery.

Designed to bring you even more features to enhance the joy of creating. Meet the new BERNINA 790 PRO.

Enriched with exciting new sewing, quilting and embroidery features and the next generation stitch**precision**² Technology, the B 790 PRO is more precise than ever, for outstanding results every time.

Innovations including the BERNINA Pinpoint Laser, 4-Point Placement and WiFi Connectivity bring you the joy of precision and control!

NEW BERNINA STITCH**PRECISION**²

The B 790 PRO features the next generation BERNINA stitch**precision**² Technology that makes your sewing, quilting and embroidery experience quieter, more accurate and ... enjoyable! Swiss innovations deliver superior stitch quality and up to 33% faster embroidery speed with the SDT technology.

NEW BERNINA PINPOINT LASER

Enjoy pinpoint precision by seeing exactly where the needle will enter the fabric in every needle position. The BERNINA Pinpoint Laser marks your start and travel points as you sew and embroider.

NEW AUTOMATIC NEEDLE THREADER

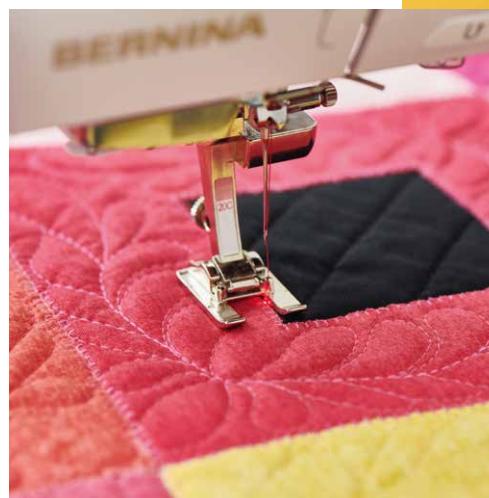
The Automatic Needle Threader helps you get started with a different thread, conveniently and quickly, every single time.

STITCH DESIGNER

Create your own stitches by drawing your ideas directly onto the touch screen. The B 790 PRO transforms your design into a stitch pattern or alters existing stitches as you wish. Save your very own stitch creations to expand your stitch library.

TIPS AND TRICKS

The Sewing and Embroidery Consultants, built-in Tutorials and On-screen Help offer support and answers to your questions whenever you need them.



BERNINA Dual Feed

Scan QR code to watch
our B 790 PRO video



Slide speed control
Sewing and embroidery speeds
up to 1,000 stitches per minute

Includes **Stitch Designer**
and **BERNINA Stitch Regulator**

Colour 7-inch display with easy navigation
and the latest touch screen technology

B 790
PRO

BERNINA

A full 13-inch (330mm)
extended freearm including
10 inches (254mm) of space
to the right of the needle

BERNINA
SWISS ENGINEERING

30 bright LED lights

**NEW: Automatic
Needle Threader**

BERNINA Free Hand System (FHS)

NEW: BERNINA Pinpoint Laser



Beautiful embroidery. Made easy, fast and precise.

All BERNINA 7 Series sewing and embroidery models feature unique innovations to make embroidering easier than ever. Simply switch to embroidery mode directly via the touch screen to easily position, mirror, rotate, combine and resize motifs. Place your design on the fabric exactly where you want with 2-Point Placement or the new 4-Point Placement in combination with the BERNINA Pinpoint Laser (B 790 PRO only).

Design editing offers a wealth of additional options, allowing you to create curved lettering effects, alter stitch density, and combine decorative stitches with embroidery designs or create beautiful, endless embroidery designs (B 790 PRO only). With all models, complex combinations can even be resequenced according to colour, and alternative colour options can be applied before stitching out.

The finished design can be saved directly on the machine or on a USB stick. What's more, additional designs can be imported to the machine via a USB stick, or wirelessly from the optional BERNINA Embroidery Software 9 (B 790 PRO only).

The latest embroidery module L with BERNINA Smart Drive Technology (SDT) comes standard with the B 790 PRO and B 700, and is available as an optional accessory for the B 770 QE PLUS and the B 735. It elevates your embroidery experience with enhanced stitch quality, smoother and quieter movement and higher embroidery speed.



The B 790 PRO includes the **BERNINA embroidery module L** with SDT and extra-large embroidery area (400 mm x 210mm, 15.7" x 8.3")





**NEW: Customisable
Quilt Designs**

**NEW: 4-Point Placement
with Morphing**

NEW: WiFi

Next generation embroidery and quilting with the B 790 PRO.

NEW 4-POINT PLACEMENT WITH MORPHING

Creating has never been easier! With the new 4-Point Placement the positioning of your embroidery or quilting design is extremely simple and precise. This new function allows you to place your designs to exactly suit your project. Simply define four points on the fabric in the hoop and the design is placed proportionally or can be morphed to fit the created boundary.

NEW WIFI CONNECTIVITY AND BERNINA STITCHOUT APP

WiFi allows you to transfer embroidery designs from your BERNINA Embroidery Software 9 (optional) directly to your B 790 PRO, or the other way around. And thanks to the new BERNINA Stitchout App, the embroidery process can be monitored on your smartphone. The B 790 PRO connects with the app allowing you to monitor the status of your embroidery stitchout from any room in your house. The app notifies you when the machine needs your direct attention, like thread colour change, thread breakage or when the design is finished.

NEW CUSTOMISABLE QUILT DESIGNS

Quilt like a PRO. The new Customisable Quilt Designs (.bqm) bring the functionality of professional longarm quilting to your embroidery machine. Unlimited scaling possibilities, the ability to modify the stitches per inch (SPI) and enhanced quilt securing functions enable you to achieve perfect computerised quilting on your embroidery machine.

NEW ALIGNMENT OF LETTERING AND DESIGNS

Easily align and distribute embroidery designs horizontally and vertically. Use Multi-line Lettering and Text Alignment to personalise your text placement.

NEW SHAPE DESIGNER

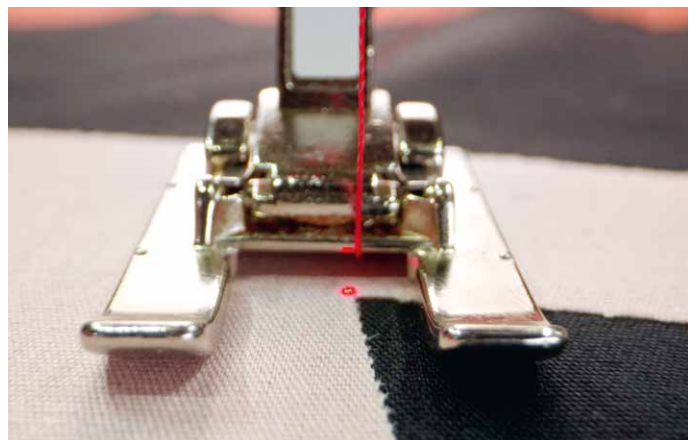
Duplicate designs with one click and arrange them in your desired formation. Whether in a circle, square or heart, new and unique design combinations will emerge.

COLOUR WHEEL

Easily change the colours in your design to coordinate with your favourite colour scheme before you start embroidering.



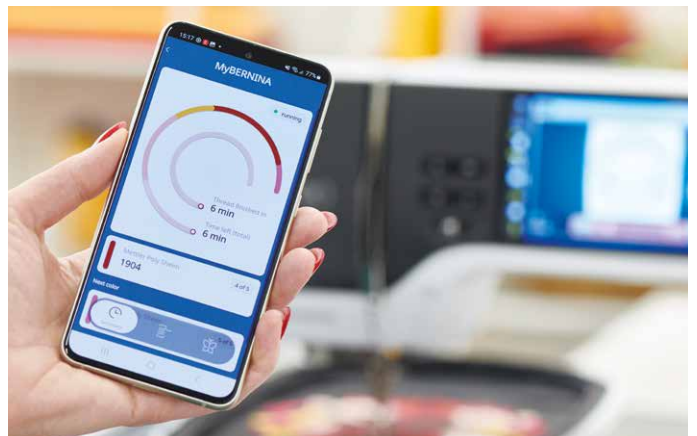
NEW BERNINA **stitchprecision²**



NEW BERNINA Pinpoint Laser



NEW Automatic Needle Threader



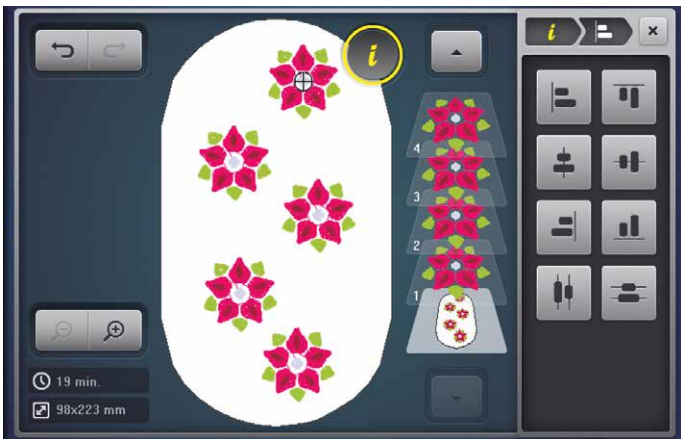
NEW WiFi and BERNINA Stitchout App



NEW 4-Point Placement with Morphing



NEW Customisable Quilt Designs



NEW Align and Distribute Designs



NEW Multi-line Lettering and Align



B 770 QE PLUS

The quilting specialist.

The B 770 QE PLUS and B 735 are known for their advanced technology. Standout features include the BERNINA Hook with its Jumbo Bobbin and additional highlights have set the benchmark for years. Both models offer a wide range of stitches and embroidery alphabets, as well as great functions, such as the Triple Stitch which allows to sew bold seams and decorative stitches while quilting or sewing.

The fabulous BERNINA Stitch Regulator comes standard with the B 770 QE PLUS and is optional with the B 735. It adjusts the sewing speed during free-motion quilting to ensure even stitches.

Baste your quilts on the B 770 QE PLUS with BSR 3 Mode and alleviate foot fatigue when quilting for long intervals with the KickStart function that allows you to quilt without using the foot control.

BERNINA Dual Feed (B 770 QE PLUS)
For the B 735, the Walking Foot #50 is included in the standard accessories

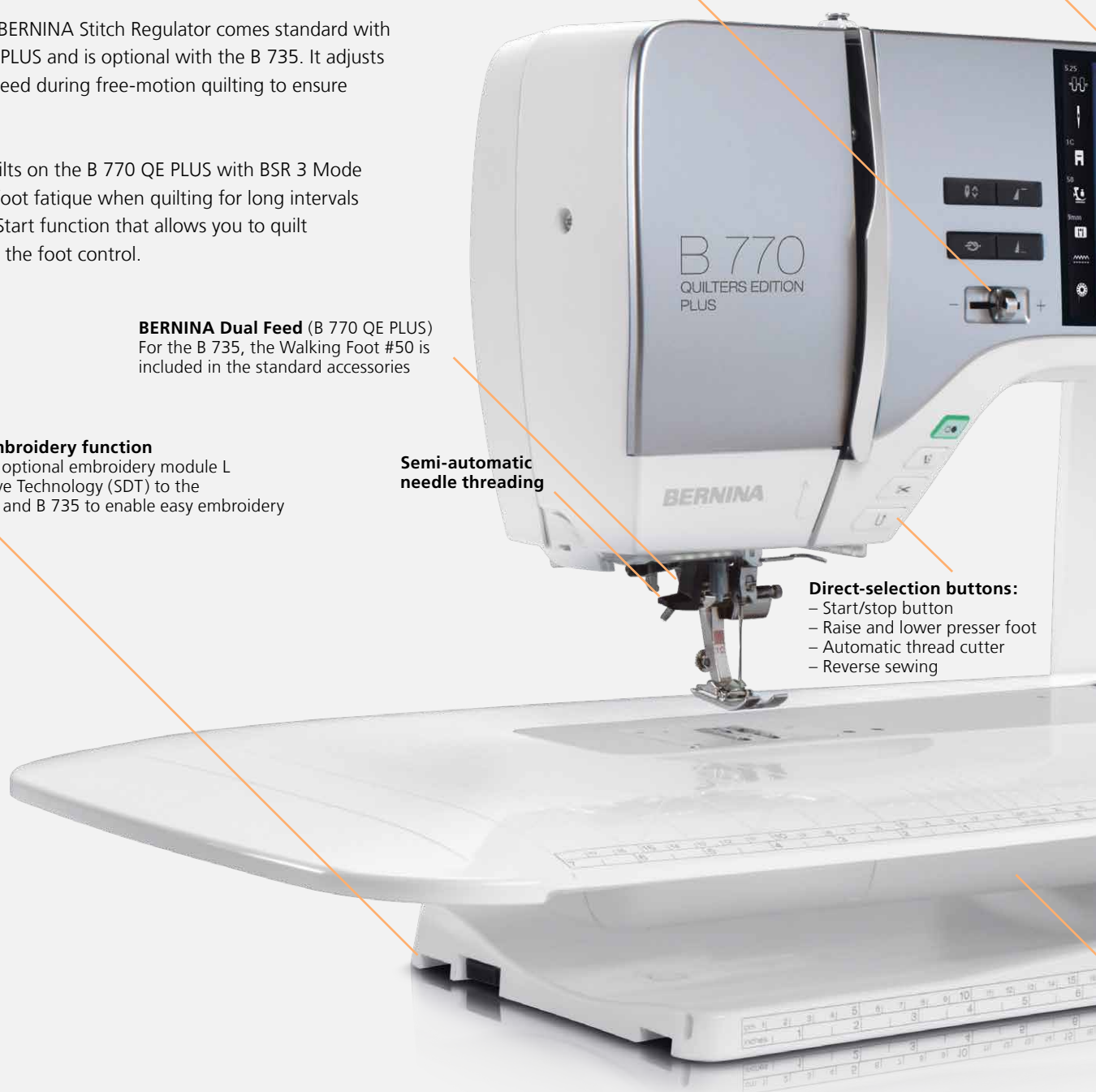
Integrated embroidery function
Simply add the optional embroidery module L with Smart Drive Technology (SDT) to the B 770 QE PLUS and B 735 to enable easy embroidery

Speed control
Sewing and embroidery speeds up to 1,000 stitches per minute

BSR 3 Mode and KickStart
Baste your quilts with BSR 3 Mode and quilt comfortably with the KickStart feature

Semi-automatic needle threading

Direct-selection buttons:
– Start/stop button
– Raise and lower presser foot
– Automatic thread cutter
– Reverse sewing



B 735

For sewing enthusiasts.

Colour 7-inch display with easy navigation and modern touch screen technology (e.g. Drag & Drop and Swipe functions)



BERNINA Hook with 9 mm stitch width (5.5 mm on the B 735) sews precise stitches at faster speeds while quieter than ever. The extra-large bobbin holds up to 70% more thread than standard bobbins.

BERNINA Free Hand System (FHS)



"I can count on BERNINA for all my precise stitching."

VALENTINA BUKEEVA, DESIGNER



B 700

Exclusively Embroidery.

The embroidery only B 700 offers welcome features like the Thread Away Mode which is a swift movement of the hoop that pulls the upper thread tails to the underside for clean embroidery results on the top. A big plus is that the cutting of jump stitches can be set subject to design properties. No more manual trimming on the top side needed. Flawless embroidery has never been easier.

High resolution 7-inch touch screen
with brilliant colours and modern user interface

Speed control
Embroidery speed up to
1,000 stitches per minute

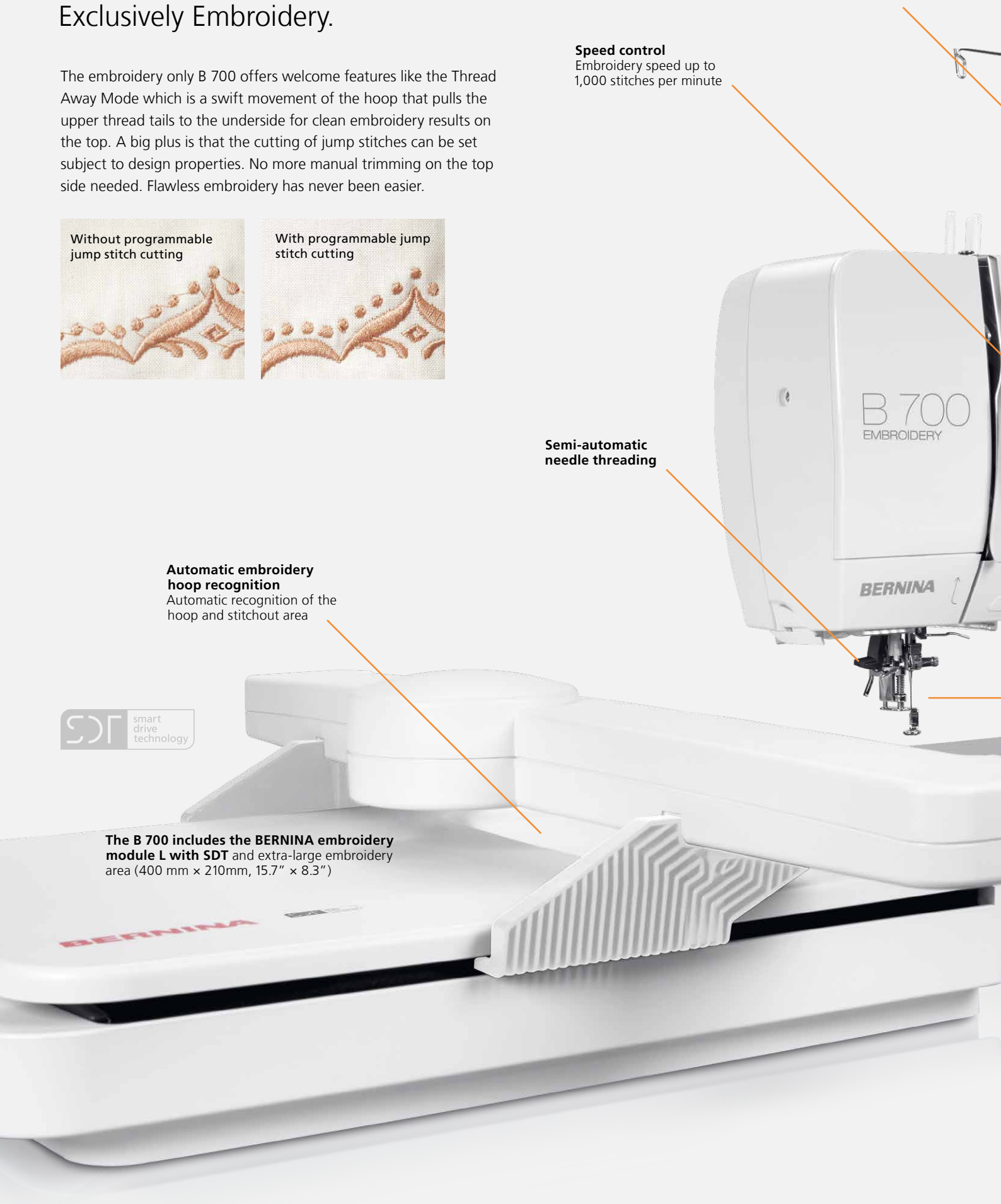


**Semi-automatic
needle threading**

**Automatic embroidery
hoop recognition**
Automatic recognition of the
hoop and stitchout area




**The B 700 includes the BERNINA embroidery
module L with SDT and extra-large embroidery
area (400 mm x 210mm, 15.7" x 8.3")**



BERNINA QUALITY

For more than 130 years, BERNINA has been passionately committed to the development of sewing and embroidery machines. Swiss precision is at the heart of our products. High-quality materials guarantee a long product life and high performance.



The **multiple spool holder** has room for up to 15 spools, enabling quick access to threads of different colours



Multi-function knobs
Easy editing and settings

30 bright LED lights

10 inches (254 mm) of space to the right of the needle

BERNINA
SWISS ENGINEERING

Easy Re-threading

The Jumbo Bobbin lets you embroider with fewer interruptions and for re-threading there is no need to remove the hoop thanks to the front loading access. In case you need more tension on the bobbin thread than usual the high thread tension golden-yellow bobbin case comes standard with the B 700.



7 things you will love about the BERNINA 7 Series

1 TOTAL STITCH CONTROL

All BERNINA 7 Series models provide an exclusive level of stitch control. Whether you are altering stitch length, stitch width or needle position, the machine will remember the details for you. Your personal settings can be saved and retrieved.

2 BERNINA STITCH REGULATOR (BSR)

The BERNINA 7 Series models are equipped with the BSR function. The BSR foot assists you with free-motion sewing and quilting with a straight or zigzag stitch, ensuring stitches of the exact same length even at variable sewing speeds. Beginners quickly gain confidence with the BSR, while experienced quilters acquire additional self-assurance. The BSR foot comes in the standard accessories package of both the B 790 PRO and B 770 QE PLUS, and is optional with the B 735. The B 790 PRO and B 770 QE PLUS even offer three modes just for quilters and the KickStart function for comfortable quilting. The BSR 3 mode allows you to set your stitch length to 2 or 4 stitches per inch for easy quilt basting. The KickStart function enables quilting in a continuous sewing mode without having to keep constant pressure on the foot control.



3 BERNINA DUAL FEED

The innovative BERNINA Dual Feed tames hard-to-manage fabrics providing superb fabric feed and optimum visibility while sewing. Easy to engage when needed, the BERNINA Dual Feed tucks completely out of the way when it's not required. The B 735 does not have the built-in Dual Feed. Instead, the Walking Foot #50 which serves the same purpose is a standard accessory for this model.

4 SEW WITH EVEN GREATER EASE

The B 790 PRO, B 770 QE PLUS and B 735 accomplish many tasks all by themselves. The presser foot lowers automatically at the beginning of a seam. Needle threading is simple with the semi-automatic needle threader on the B 770 QE PLUS and B 735, and automatic on the B 790 PRO. The thread is cut automatically when you reach the end of a seam, or when you wish to change colours while embroidering. Moreover, a practical extension table, which yet again significantly increases your work area, is included in the standard package.

5 BERNINA ADAPTIVE THREAD TENSION

The BERNINA Adaptive Thread Tension, a BERNINA innovation, provides ideal thread tension while sewing to achieve perfect stitch quality on both sides of the fabric. Once the tension is set according to the thread and fabric used, BERNINA Adaptive Thread Tension will constantly check the thread tension, adjusting it automatically when needed. The result is the finest stitching without pressing a button.

6 EXTENDED FREEARM

The BERNINA 7 Series includes a meticulously engineered extended freearm with 10 inches (254 mm) of space to the right of the needle, providing you with ample space for big, beautiful sewing and embroidery projects. With their 9 mm stitch width, the B 790 PRO and B 770 QE PLUS are ideally suited for decorative stitching, while the B 735 with its 5.5 mm stitch width is perfect for precise sewing projects and fine materials.

7 JUMBO BOBBIN

The front loading, easy access Jumbo Bobbin holds up to 70% more thread than standard bobbins, allowing you to sew and embroider longer without interruption.



More great features for embroidery and sewing

DESIGN EDITING



Endless Embroidery

Easily repeat and align embroidery designs to make continuous borders. Designs can be fine-tuned to the spacing desired and verified with stitched placement arrows. (B 790 PRO/B 700 only)



Group & Ungroup

Combine designs into a Group to edit at once. Ungroup to edit designs individually.



Rearrange

Change the stitchout sequence of design layers. Use Rearrange in combination with Group and Ungroup for further editing possibilities.



Colour Wheel

Change the hue and saturation of a design on screen, translate the visual colours to thread colours and convert your colours to alternate thread libraries. (B 790 PRO/B 700 only)

DESIGN PLACEMENT



4-Point Placement: Fit

Simply define four points on the fabric in the hoop and the design will be placed centered in created boundary. (B 790 PRO only)



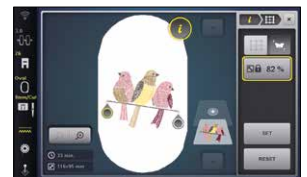
4-Point Placement: Morph

Morph designs to fit in irregular shapes with or without margin spacing. The design is adjusted to fit the new shape. Perfect for quilt blocks that are not so perfect. (B 790 PRO only)



2-Point Placement: Points on grid

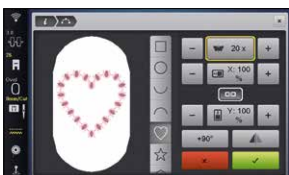
Imperfect hooping – perfect results! Define two points on the grid and the design is resized and rotated to fit the new alignment.



2-Point Placement: Any points on design

Place designs using any two stitch points in the design as placement reference. The original size of designs can be kept or resized to fit the new placement.

DESIGN CREATION



Shape Designer

Arrange designs including imported stitches into formations such as rectangles, circles, hearts, stars, arches and more. (B 790 PRO only)



Stitch Designer

Create your own stitches and continuous line quilting designs by drawing your ideas right on the touch screen. Once the stitch or design is created, sew it or open it in embroidery and stitch. (B 790 PRO only)

DESIGNS & ALPHABETS



Built-in stitches and sewing alphabets

Enjoy hundreds of sewing stitches and alphabets. Easily embroider individual sewing stitches, buttonholes or a row of stitches.



Built-in embroidery designs and alphabets

A wide variety of embroidery designs including in-the-hoop projects and special technique designs. The B 790 PRO also offers BQM Quilting Designs.

The 7 Series

GENERAL INFORMATION	B 790 PRO	B 770 QE PLUS	B 735	B 700
Space to the Right of the Needle	10" (254 mm)	10" (254 mm)	10" (254 mm)	10" (254 mm)
Workspace Height	5" (127 mm)	5" (127 mm)	5" (127 mm)	5" (127 mm)
Centrally Located Colour Touch Screen	7" (177.8 mm)	7" (177.8 mm)	7" (177.8 mm)	7" (177.8 mm)
Multi-function Knobs	✓	✓	✓	✓
LED Sewing Lights	30	30	30	30
NEW: Automatic Needle Threader	✓	-	-	-
Semi-automatic Needle Threader	-	✓	✓	✓
NEW: BERNINA Pinpoint Laser*	✓	-	-	-
NEW: WiFi	✓	-	-	-
NEW: stitch precision ² Technology	✓	-	-	-
Total Stitch Control	✓	✓	✓	-
BERNINA Adaptive Thread Tension	✓	✓	✓	✓
BERNINA Dual Feed	✓	✓	-	-
Hook System	BERNINA	BERNINA	BERNINA	BERNINA
Jumbo Bobbin with 70% more Capacity	✓	✓	✓	✓
Bobbin winding while sewing/embroidering	✓	✓	✓	✓
Powerful DC Motor	✓	✓	✓	✓
BERNINA Free Hand System (FHS)	✓	✓	✓	✓
Programmable BERNINA Foot Control	✓	✓	-	-
Thread-up Command	✓	✓	✓	✓
Automatic Presser Foot Lifter	✓	✓	✓	✓
Automatic Thread Cutter	✓	✓	✓	✓
Manual Thread Cutters	3	3	3	3
Adjustable Presser Foot Pressure	✓	✓	✓	-
Lower Thread Sensor	✓	✓	✓	✓
Upper Thread Sensor	✓	✓	✓	✓
Tutorial	✓	✓	✓	✓
On-screen Help	✓	✓	✓	✓
Eco Mode	✓	✓	✓	✓

SEWING AND QUILTING	B 790 PRO	B 770 QE PLUS	B 735	B 700
Maximum Sewing Speed (stitches per minute)	1,000 spm	1,000 spm	1,000 spm	-
Maximum Stitch Width	9 mm	9 mm	5,5 mm	-
Maximum Stitch Length	6 mm	6 mm	6 mm	-
Adjustable Needle Positions	11	11	11	-
Presser Foot Selection	✓	✓	✓	✓
Security Function for Needle and Stitch Plate	✓	✓	✓	✓
Sideways Motion	✓	-	-	-
Connecting stitches	✓	-	-	-
Tapering	✓	-	-	-
Automatic Buttonhole / Length Measuring System	✓	✓	✓	-
Manual multi-step buttonhole	✓	✓	✓	-
Button sew-on program	✓	✓	✓	-
Personal Memory	✓	✓	✓	-
Temporary Altered Stitch Memory	✓	✓	✓	-
History Function (most recently used stitch patterns)	✓	✓	✓	-
Stitch Designer	✓	-	-	-
Creative Consultant Sewing	✓	✓	✓	-
Pattern Repeat	1-99 (NEW)	1-99	1-99	-
Pattern Begin	✓	✓	✓	-
Pattern End	✓	✓	✓	-
Mirror-image function	✓	✓	✓	-
Elongation	✓	✓	✓	-
Basting Stitch	Stitch #21	Stitch #21	Stitch #30 (manually)	-
Long Stitch	✓	✓	-	-
Triple Stitch	✓ (NEW)	✓	✓	-
Backstepping	✓	✓	✓	-
Programmable Securing Function	✓	✓	✓	-
BSR enabled	✓	✓	✓	-
BSR 3 Mode	✓ (NEW)	✓	-	-
KickStart Function	✓ (NEW)	✓	-	-
Start/Stop Button (stitching without foot control)	✓	✓	✓	✓
Freearm Sewing	✓	✓	✓	-
Monograms (with sideways motion only)	✓	-	-	-
Total Number of Sewing Stitch Patterns (incl. alphabets)	2,040	1,809	1,255	-
Alphabets	9	9	6	-
Monograms	1	-	-	-
Decorative Stitches	700	500	350	-
Button Sew-On Program	1	1	1	-
Buttonholes/Eyelets	16/2	16/2	13/2	-
Practical Stitches	38	38	32	-
Sideways-Motion Stitches	139	-	-	-
Quilting Stitches	70	74	29	-
Tapering/Skyline Stitch Patterns	28/30	-	-	-
Darning Programs	2	2	2	-

*Laser classification 1: The lasers of classification 1 are the safest of all laser classes and not harmful to the eye.

The possibility of injuries can be ruled out as the radiation is extremely weak. In this case, visible laser radiation is involved.

The 7 Series

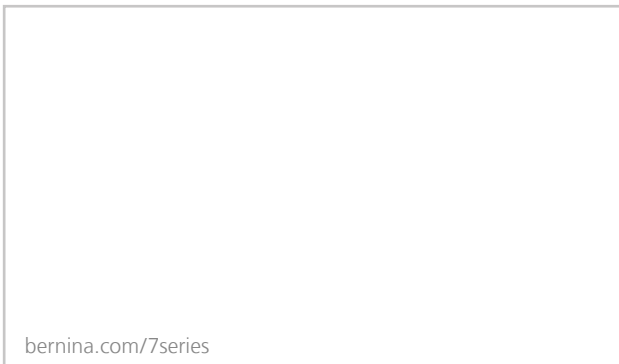
EMBROIDERY	B 790 PRO	B 770 QE PLUS	B 735	B 700
Maximum Embroidery Speed (stitches per minute)	1,000 spm	1,000 spm	1,000 spm	1,000 spm
Embroidery Area	15,7 x 8,3" (400 x 210 mm)	15,7 x 8,3" (400 x 210 mm)	15,7 x 8,3" (400 x 210 mm)	15,7 x 8,3" (400 x 210 mm)
Freearm Embroidery	✓	✓	✓	✓
Built-in Embroidery Designs	500	275	250	320
Embroidery Alphabets	25	8	6	18
NEW: Customisable Quilt Designs (.bqm files)	76	-	-	-
On-screen Editing of Designs: position, mirror, rotate, scale, combine	✓	✓	✓	✓
Change Design Size Proportionally/Non-Proportionally	✓	✓	✓	✓
NEW: Align/Distribute embroidery designs	✓	-	-	-
NEW: Multi-line Lettering and Align	✓	-	-	-
Endless Embroidery	✓	-	-	✓
NEW: Shape Designer	✓	-	-	-
Colour Wheel	✓	-	-	✓
NEW: QWERTY Keyboard	✓	-	-	-
WordArt	✓	✓	-	✓
Drag and Drop	✓	✓	✓	✓
Absolute Check Design Positioning	✓	✓	✓	✓
NEW: 4-Point Placement with Morphing	✓	-	-	-
2-Point Placement	✓	✓	✓	✓
Lock scaling	✓	✓	✓	-
Check Design Size	✓	✓	✓	✓
Group/Ungroup	✓	✓	✓	✓
Rearrange designs	✓	✓	✓	✓
Undo/Redo	✓	-	-	✓
Adjust Stitch Density	✓	✓	✓	✓
Change Stitch Type	✓	✓	✓	✓
Basting	✓	✓	✓	✓
Colour Resequence	✓	✓	✓	✓
Stitch Design as Single/Multi-Colour	✓	✓	✓	✓
Personal Memory for Saving Embroidery Designs	✓	✓	✓	✓
Programmable Jump Stitch Cutting	✓	✓	✓	✓
Smart Secure	✓	✓	✓	✓
Invisible Secure	✓	✓	✓	✓
Thread Away Mode	✓	✓	✓	✓
Creative Consultant Embroidery	✓	-	✓	✓
Embroider Sewing Stitches	✓	-	-	-
Multi-format Reading (EXP, DST, PEC, PES, JEF, PCS, SEW, XXX)	✓	✓	✓	✓
NEW: BQM Format Reading	✓	-	-	-
NEW: Adjust Stitches Per Inch (BQM)	✓	-	-	-
NEW: Direct Design transfer to/from BERNINA Embroidery Software 9 via WiFi	✓	-	-	-
Automatic Hoop Recognition	✓	✓	✓	✓
View Stitch-out Time, Thread Colours, Size, Stitches	✓	✓	✓	✓
NEW: BERNINA Stitchout App compatible	✓	-	-	-
Stitch Sequence Control	✓	✓	✓	✓
Position Recall	✓	✓	✓	✓
Jumbo Hoop Compatibility	✓	✓	✓	✓
Maxi Hoop Compatibility	✓	✓	✓	✓
Mega Hoop Compatibility	✓	✓	✓	✓
Midi Hoop Compatibility	✓	✓	✓	✓
Small Clamp Embroidery Hoop Compatibility	✓	✓	✓	✓
Medium Clamp Embroidery Hoop Compatibility	✓	✓	✓	✓
Large Freearm Embroidery Hoop Compatibility	✓	✓	✓	✓

STANDARD ACCESSORIES	B 790 PRO	B 770 QE PLUS	B 735	B 700
BERNINA Precision Presser Feet included	11	7	6	1
Reverse Pattern Foot #1/1C	✓	✓	✓	-
Dual Feed Reverse Pattern Foot #1D	✓	✓	-	-
Overlock Foot #2A	✓	-	-	-
Buttonhole Foot with Slide #3A	✓	✓	✓	-
Zipper Foot #4/4D	✓	✓	✓	-
Blindstitch Foot #5	✓	-	-	-
Jeans Foot #8/8D	✓	-	✓	-
Open Embroidery Foot #20/20C	✓	✓	✓	-
Embroidery Foot #26/26L	✓	-	-	✓
BERNINA Stitch Regulator (BSR) #42	✓	✓	-	-
Sideways Motion Foot #40C	✓	-	-	-
Walking Foot #50	-	-	✓	-
Patchwork Foot #97D	-	✓	-	-
Slide-on Table	✓	✓	✓	-
Knee lever/Free Hand System (FHS)	✓	✓	✓	-
Embroidery Module L with Smart Drive Technology (SDT)	✓	optional	optional	✓
Standard Embroidery Hoops included	3	-	-	3
Embroidery Hoop Large Oval with template (255 x 145 mm, 10.0" x 5.7")	✓	-	-	✓
Embroidery Hoop Medium Oval with template (130 x 100 mm, 5.1" x 3.9")	✓	-	-	✓
Embroidery Hoop Small Oval with template (72 x 50 mm, 2.8" x 2")	✓	-	-	✓
Dust Cover	✓	✓	✓	✓
Accessory Box	✓	✓	✓	✓



BERNINA

made to create



bernina.com/7series

We reserve the right to make changes to machine features, equipment and design. Additional information available at your local BERNINA store.

BERNINA recommends threads from

Mettler[®]