

BERNINA
770 QE | 790

5 yards of delicate silk

1 Dual Feed for
fine-fabric guidance

**1 B 790 with
Stitch Designer**

3 Japanese embroidery motifs
meaning "good fortune"

1 perfect fit for an
overjoyed bride



Kazu

KAZU HUGGLER
SWISS-JAPANESE FASHION DESIGNER,
FOR BERNINA



made to create

BERNINA



Slide speed control
Sewing speed up to
1000 stitches per minute



Direct-selection buttons:

- Start/stop button
- Raise and lower the presser foot
- Automatic thread cutter
- Reverse sewing

Download free patterns for the BERNINA 7 Series at
bernina.com/7series

Practical **extension table** included

Semi-automatic threading

BERNINA Dual Feed

Integrated embroidery function
Simply add the optional embroidery
module to the B 770 QE to activate.



The **BERNINA Hook with 9 mm stitch width** allows you to sew precise stitches at faster speeds yet quieter than ever before. The extra-large bobbin can hold up to 70 percent more thread than standard bobbins, letting you sew with fewer interruptions.



Easy navigation on a centrally located
colour touch screen

BERNINA Stitch Regulator (BSR) included



BERNINA
SWISS ENGINEERING

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

Tula Pink, US Quilt Artist and Fabric Designer, for BERNINA

Tula Pink plays with images the way a poet plays with words, turning innocuous traditional designs into mischievous little creations. Tula's love affair with textiles began early and an obsession with sewing soon followed. Tula began quilting in an effort to use up her ever-growing stash of fabric so that she could justify buying more. Today, 16 years later, she is a renowned designer and quilter. Tula Pink has designed a quilt from her "Moonshine" fabric collection exclusively for BERNINA.

"Next to my passion
for my designs, I'm
equally passionate
about BERNINA.
The BERNINA 770 QE
gives me the space
I need for quilting, plus
the Stitch Regulator
can't be beat for
even stitches."



BERNINA Free Hand System (FHS)



9 Things You'll Love about the BERNINA 7 Series:

The BERNINA Stitch Regulator (BSR)

The BERNINA 770QE and 790 are both 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 770QE and B 790.

Extended Free-arm for Grand Ideas

The BERNINA 7 Series includes a meticulously engineered extended freearm with 10 inches (254mm) of space to the right of the needle. Not only do the B 770QE and B 790 provide you with ample space for big, beautiful sewing and embroidery projects, with their 9 mm stitch width, they are also ideally suited for decorative stitching. The extra-large embroidery module (optional with the B 770QE) lets you stitch out maxi-sized motifs. And should your ambitions grow, both models can be updated with a wealth of accessories.

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.

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 and the USB interface allows you to import and export stitches and stitch patterns or combinations.

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.

Sew with Even Greater Ease

The B 770QE and B 790 accomplish many tasks all by themselves. The presser foot lowers automatically at the beginning of a seam. Threading is semi-automatic, and 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.

The B 790 includes an **embroidery module** with extra-large embroidery area (400 mm × 210 mm embroidery field). (Optional with the B 770QE.)



Beautiful Embroidery Is Simplicity Itself

Both the B 790 and B 770 QE can embroider, though the B 790 offers even more features and options for embroidery lovers. Switch to embroidery mode directly via the touch screen. Embroidery mode lets you easily position, mirror, rotate and resize motifs. Design editing on the B 790 offers a wealth of additional options, allowing you to create curved lettering effects, alter stitch density, and combine decorative stitches or alphabets with embroidery designs. Complex combinations can even be resequenced according to colour, and alternative colour options can be reviewed before stitching out. With both models, the finished design can be saved directly on the machine or on a USB stick. What's more, further designs can be imported to the machine via the USB port. The Check function lets you position the design precisely before embroidering. The embroidery module comes as standard with the B 790, and is available as an optional accessory for the B 770 QE.



The new **Maxi Hoop** was specially developed for the BERNINA 7 Series.

Create Your Own Stitches

(B 790 only)

The B 790 features a very special innovative function: the Stitch Designer. Create your own stitches by drawing your ideas right on the touch screen. With a click, the B 790 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.

Slide speed control

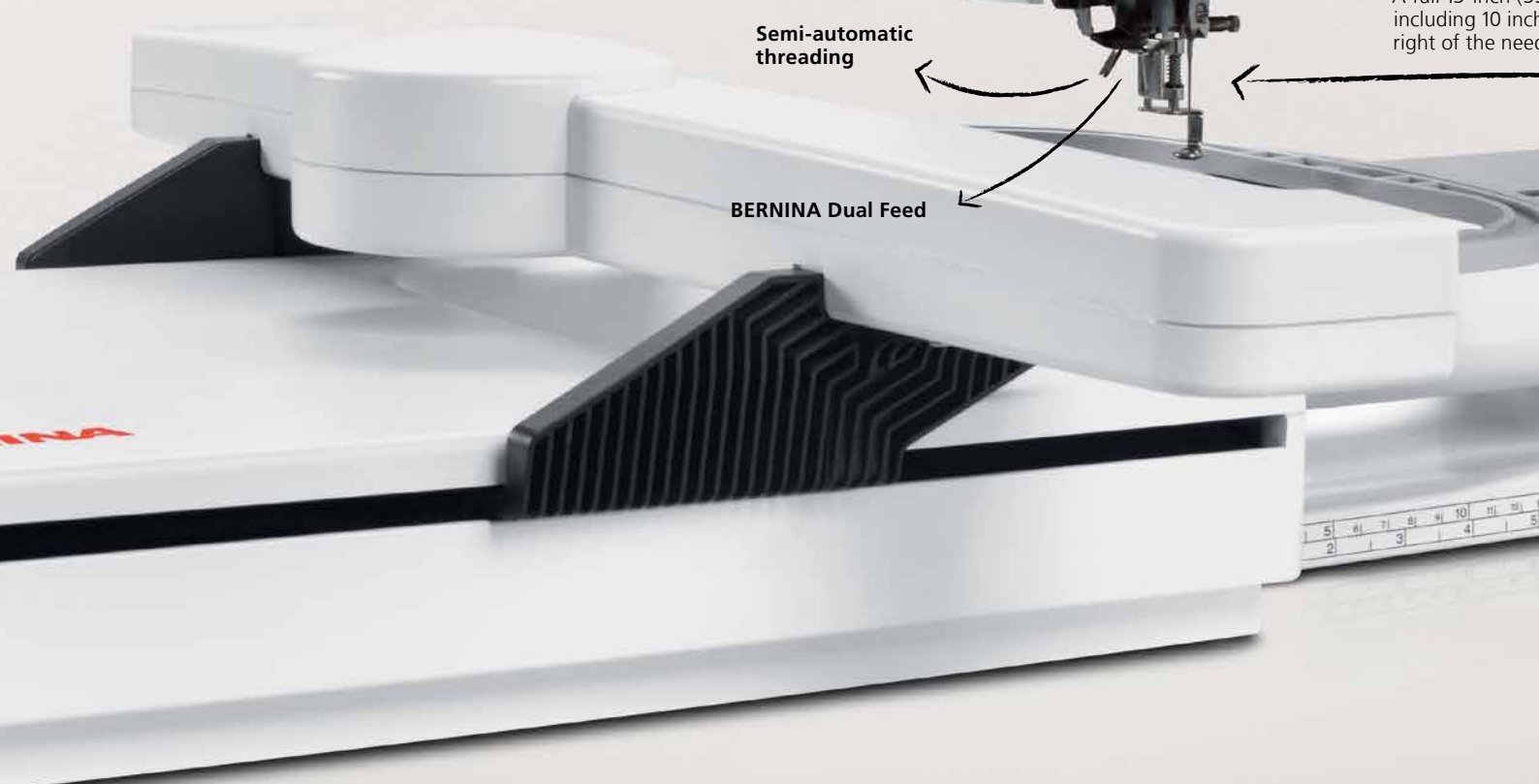
Sewing speed up to 1000 stitches per minute



Semi-automatic
threading

BERNINA Dual Feed

A full 13-inch (33 cm) wide bed, including 10 inches (25 cm) right of the needle.



Tips and Tricks

The Sewing Consultant and built-in tutorials offer direct on-screen support and answers to your questions whenever you need them.

Includes **Stitch Designer** and **BSR functionality**

Multi-function knobs

30 bright **LED lights**

300 mm) **extended free-arm**
provides (254 mm) of space to the
needle

BERNINA
SWISS ENGINEERING

BERNINA Free Hand System (FHS)

The BERNINA Hook

With the launch of the 7 Series, BERNINA introduced a world first, the BERNINA Hook. This latest BERNINA innovation uniquely combines the advantages of the two best hook technologies and is patent pending.

The heart of the BERNINA 7 Series features a novel, centrally placed driver, which allows the BERNINA Hook to run fast yet quietly. The BERNINA Hook sews high-precision stitches up to 9 mm in width with speeds up to 1,000 stitches per minute. The bobbin holds up to 70 % more thread than standard bobbins allowing you to sew longer without interruption.

Finally, the BERNINA Hook is made of high-quality materials that allow the thread to run smoothly at consistent tension.

BERNINA—made to create.



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



BERNINA Quality

For decades, 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 BERNINA 770 QE and 790 offer a wealth of features that make sewing easier. Inventions such as the semi-automatic threading system, the BERNINA Stitch Regulator (BSR) and the remarkable, easy-to-use embroidery system with especially large embroidery area testify to a great spirit of innovation. The BERNINA 7 Series is visually stunning with its simple yet exclusive design—because we concentrate not only on sophisticated technologies, but also on setting new standards in product design.

Kazu Huggler, Swiss-Japanese Designer

The daughter of a Japanese mother and Swiss father, Kazu Huggler belongs to a new generation of international couture fashion designers. She runs her studio and fashion label “KAZU” in Zurich. Her creations combine Japanese aesthetics and simplicity with Swiss quality. The first dress of her bridal fashion collection was created on a BERNINA 790.

“The BERNINA 790 lets you embroider designs over a particularly large area, and offers a range of luxury features. The Dual Feed is brilliant at feeding my silky fabrics.”



Features and Functions of the BERNINA 770QE and 790

General Information	B 770QE	B 790
Hook system	BERNINA Hook	BERNINA Hook
Maximum sewing speed (stitches per minute)	1,000	1,000
Length of freearm to the right of the needle	10 inches	10 inches
Colour touch screen	4.3 inches	7 inches
LED sewing light	30 LED lights	30 LED lights
Maximum stitch width	9mm	9mm
Maximum stitch length	6mm	6mm
Needle positions	11	11
Sewing in every needle position	✓	✓
Number of spool holders	2	2
Semi-automatic needle threader	✓	✓
Adjustable presser foot pressure	✓	✓
Automatic thread cutter	✓	✓
Manual thread cutters	3	3
BERNINA Dual Feed	✓	✓
BERNINA Adaptive Thread Tension	✓	✓
Memory (short-term/alterd stitches)	✓	✓
Memory (long-term/alterd stitches)	✓	✓
Create and save stitch combinations	✓	✓
BSR functionality (straight stitch and zigzag)	✓	✓
Start/stop button (stitching without foot control)	✓	✓
Slide speed control	✓	✓
Upper thread indicator	✓	✓
Lower thread indicator	✓	✓
USB interface for PC connection	✓	✓
Import/export stitches and stitch patterns via USB	✓	✓
Multi-function knobs	✓	✓
Changing stitch settings while sewing	✓	✓
BERNINA foot control with back-kick function	✓	✓
Needle stop up/down	✓	✓
Drag & Drop	✓	✓
Bobbin winding while sewing/embroidering	✓	✓
On-screen help	✓	✓
Sewing tutorial	✓	✓
Creative consultant	✓	✓
Personal program	✓	✓
History function (previously used stitch patterns)	–	✓
Setup program	✓	✓
Eco mode	✓	✓

Sewing and Quilting	B 770QE	B 790
360° directional sewing	–	✓
Sideways motion feed	–	✓
Stitch Designer	–	✓
Pattern start/end function	✓	✓
Connecting stitches	–	✓
Elongation	✓	✓
Security function program	✓	✓
Total number of stitch patterns (incl. alphabet)	992	1,352
Utility stitches total	30	32
Buttonholes (incl. eyelets) total	13	15
Automatic buttonhole length measuring system	✓	✓
Automatic buttonhole	✓	✓
Manual multi-step buttonhole	✓	✓
Button sew-on program	✓	✓
Darning programs	2	2
Decorative stitches total	283	506
Decorative sideways motion stitches total	–	117

Sewing and Quilting (Continued)	B 770QE	B 790
Quilting stitches total	50	34
Cross-stitch programs	20	37
Tapering/skyline stitches	–	28/24
Sewing alphabets	6	8
Monogram (with sideways motion)	–	✓

Standard Sewing and Quilting Accessories	B 770QE	B 790
BERNINA precision presser feet included	7	10
Reverse pattern foot #1C	✓	✓
Dual Feed reverse pattern foot #1D	✓	✓
Overlock foot #2A	–	✓
Buttonhole foot with slide #3A	✓	✓
Zipper foot #4D	✓	✓
Blindstitch foot #5	–	✓
Jeans foot #8D	–	✓
Open embroidery foot #20C	✓	✓
Sideways motion foot #40C	–	✓
Patchwork foot #97D	✓	–
BERNINA Stitch Regulator (BSR)	✓	✓
BERNINA Free Hand System (FHS)	✓	✓
BERNINA slide-on freearm extension table	✓	✓
Dust cover	✓	✓
Accessory box	✓	✓

Embroidery	B 770QE	B 790
Embroidery Module (size large)	optional	✓
Maximum embroidery speed (stitches per minute)	1,000	1,000
On-screen editing of designs: positioning, mirroring, rotating, scaling	✓	✓
Combine designs	–	✓
Embroidery tutorial	✓	✓
Built-in embroidery designs	140	270
Embroidery alphabets	6	8
Embroidery design format	.EXP	.EXP
Mega Hoop functionality (embroidery field: 400×150mm)	✓	✓
Maxi Hoop functionality (embroidery field: 400×210mm)	✓	✓
Jumbo Hoop functionality (limited embroidery field: 400×210mm)	✓	✓
Freearm embroidery	✓	✓
Personal memory for embroidery designs	✓	✓
Word ART	–	✓
Importing stitch patterns	✓	✓
Colour resequence	–	✓
Cut jump stitches	✓	✓
Sequence control	✓	✓
Basting	✓	✓
Endless embroidery	–	✓
Position recall	✓	✓
BERNINA DesignWorks Software & Tools compatible	✓	✓

Standard Embroidery Accessories (included with Embroidery Module)	B 770QE	B 790
Embroidery presser foot #26	✓	✓
Embroidery hoop large oval with template	✓	✓
Embroidery hoop medium oval with template	✓	✓
Embroidery hoop small oval with template	✓	✓
BERNINA embroidery software ArtLink (download at bernina.com)	✓	✓

www.bernina.com/7series



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