

BERNINA Needles



Top quality – for all brands of household sewing machine

www.bernina.com/needles



made to create

BERNINA

CHOOSING THE RIGHT NEEDLE

The quality and choice of needle have a significant influence on the quality of the sewing and embroidery results.

1. Determine the needle type, based on the material and application (first coloured band).
2. Select the appropriate thread. The thickness of the thread determines the size of the eye and therefore the needle size (second coloured band).

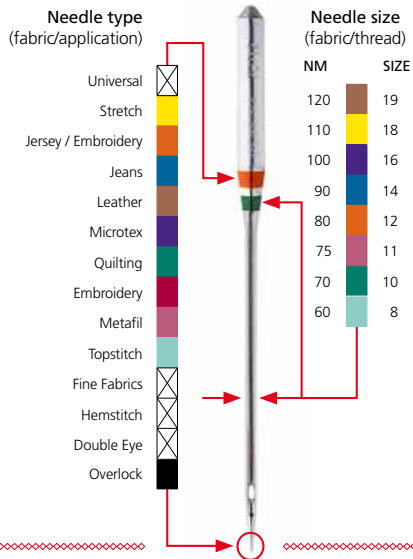
Information on the lid of the needle box



- ← **Needle size**
Open the lid so it is possible to see the size
- ← **Needle point**
- ← **Needle designation**
- ← **Needle type**
- ← **Opening direction**





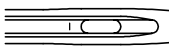

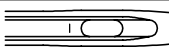

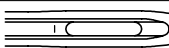
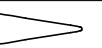
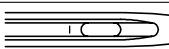
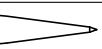
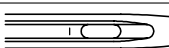



UNDERSTANDING THE COLOUR CODE

In order to help identify the needle size and needle type, certain BERNINA needles have a colour code. The first colour shows the application and the second colour shows the needle size.



NEEDLE POINTS AND EYE SHAPES

The chart shows the most important types of needle, broken down according to their needle point and eye shapes.

Needle type	Needle eye	Needle point
H UNIVERSAL		
H-S		
H SUK		
H-E		
H METAFIL		
H-J		
H-Q		
H-LR		

THE RIGHT NEEDLE/THREAD COMBINATION

Needle/thread ratio



The point is the first part of the needle to penetrate the material. The right needle point is essential for a good sewing result.

During sewing and embroidery, the thread slides through the eye of the needle several times at high speed.

It is therefore important to choose the right needle/thread ratio: the thread should pass smoothly and snugly through the eye of the needle.

For fine fabrics, it is recommended to use a straight stitch needle plate and a straight-stitch foot.

UNIVERSAL NEEDLE



- **System 130/705 H**
With a slightly rounded point, for trouble-free sewing of numerous types of materials.
- **Needle sizes** NM 60 to NM 120, also assorted

Also available as
TWIN and **TRIPLE NEEDLE**

STRETCH NEEDLE



- **System 130/705 H-S**
With a medium ball point; the special eye and scarf area prevent skip stitches, especially in highly elastic fabrics. For elastic materials and highly elastic knitted goods.
- **Needle sizes** NM 75 and NM 90
- **Colour coding:** yellow

Also available as a
TWIN NEEDLE

THE CHOICE OF NEEDLE IS BASED ON THE MATERIAL AND THE APPLICATION

Below is an alphabetical list of various materials and applications, along with the corresponding needle types recommended by BERNINA.

The information in this brochure should be regarded as general guidance only. Always test the needle beforehand on a scrap of material.

A

A jour knitted goods – JERSEY / EMBROIDERY NEEDLE NM 60 to NM 90

Artificial fur (funfur) – JERSEY / EMBROIDERY NEEDLE or UNIVERSAL NEEDLE NM 70 to NM 100

Artificial leather – LEATHER NEEDLE NM 90, NM 100 or JEANS NEEDLE NM 80 to NM 110

B

Bed-linen, jersey – STRETCH NEEDLE NM 75, NM 90

Bed-linen, woven – UNIVERSAL NEEDLE NM 70 to NM 100

Belseta – MICROTEx NEEDLE NM 70 to NM 90

JERSEY / EMBROIDERY NEEDLE



- **System 130/705 H SUK**
With a medium ball point, for knitted fabrics and embroidery.
- **Needle sizes** NM 60 to NM 100, also assorted
- **Colour coding:** orange

JEANS NEEDLE



- **System 130/705 H-J**
The sharp, thin point penetrates precisely through close, thick fabrics. The reinforced blade causes less deflection of the needle and reduces the risk of needle breakage and skip stitches.
For denim (jeans), artificial leather, waxed cloth, film and similar tightly woven fabrics.
- **Needle sizes** NM 80 to NM 110, also assorted
- **Colour coding:** blue

Beseta – MICROTEX NEEDLE NM 70 to NM 90

Bouclé – JERSEY / EMBROIDERY NEEDLE NM 70 to NM 90

Brocade – UNIVERSAL NEEDLE or MICROTEX NEEDLE NM 60 to NM 90

Burn-out velvet – STRETCH NEEDLE NM 75, NM 90 or FINE FABRICS NEEDLE NM 70 to NM 90



Cambric – UNIVERSAL NEEDLE NM 60, NM 70

Canvas – JEANS NEEDLE NM 90 to NM 110

Chambray – UNIVERSAL NEEDLE NM 80, NM 90

Chenille – UNIVERSAL NEEDLE NM 90

Chiffon – UNIVERSAL NEEDLE or MICROTEX NEEDLE NM 60, NM 70

Coarse knitted material – JERSEY / EMBROIDERY NEEDLE NM 80, NM 90

Coated material – MICROTEX NEEDLE NM 70 to NM 110 or JEANS NEEDLE NM 100, NM 110

Coats – UNIVERSAL PRO NEEDLE NM 90 to NM 110

Corduroy – UNIVERSAL NEEDLE NM 80 to NM 100

LEATHER NEEDLE



- **System 130/705 H LR**
With cutting point (LR = reversed twist point) for easier penetration. For leather, artificial leather or similar materials.
- **Needle sizes NM 90 and NM 100**
- **Colour coding: brown**

Do not use on woven or knitted fabrics!

MICROTEX NEEDLE



- **System 130/705 H-M**
With a very sharp, slim point for precise piercing of very fine or densely woven materials. For particularly precise stitching when topstitching edges, also for silk, microfibre fabrics, coated and film materials.
- **Needle sizes NM 60 to NM 110, also assorted**
- **Colour coding: purple**

Cotton knitwear – JERSEY / EMBROIDERY NEEDLE NM 70 to NM 90 or STRETCH NEEDLE NM 75, NM 90

Coverstitch – COVER STITCH NEEDLE NM 90

Crêpe – UNIVERSAL NEEDLE or MICROTEx NEEDLE NM 60 to NM 80

Crêpe-de-Chine – UNIVERSAL NEEDLE or MICROTEx NEEDLE NM 60 to NM 80

Crinkle – UNIVERSAL NEEDLE or MICROTEx NEEDLE NM 60 to NM 80

Cupro – MICROTEx NEEDLE NM 60 to NM 80

Curtains – UNIVERSAL NEEDLE or JERSEY / EMBROIDERY NEEDLE NM 80, NM 90

D

Denim – JEANS NEEDLE NM 80 to NM 110

Double decorative seams – TWIN NEEDLE (special needles are available for the different applications), NM 70 to NM 100, NE 1.6 mm to 8.0 mm

Double-face – UNIVERSAL NEEDLE NM 70 to NM 110

E

Elastic material – STRETCH NEEDLE NM 75, NM 90

Embroidering – EMBROIDERY NEEDLE NM 75, NM 90 or JERSEY / EMBROIDERY NEEDLE NM 70, NM 90 or METAFIL NEEDLE NM 80

QUILTING NEEDLE



- **System 130/705 H-Q**
With a very slim, slightly rounded point which easily penetrates thick layers without damaging the material.
For stitching/topstitching tasks, such as quilting and patchwork.
- **Needle sizes** NM 75 and NM 90, also assorted
- **Colour coding:** green

EMBROIDERY NEEDLE



- **System 130/705 H-E**
System 130/705 H-E
With a small ball point and a particularly wide eye and groove compared to the JERSEY / EMBROIDERY NEEDLE, to accommodate voluminous threads and woollen threads.
For embroidery.
- **Needle sizes** NM 75 and NM 90, also assorted
- **Colour coding:** red

F

Fancy threads, decorative threads – EMBROIDERY NEEDLE NM 75, NM 90 or METAFIL NEEDLE NM 80
Felt – UNIVERSAL NEEDLE NM 80 to NM 100
Felting – FELTING NEEDLE
Film (vinyl, artificial leather, waxed cloth) – MICROTEx NEEDLE NM 60 to NM 110 or JEANS NEEDLE NM 80 to NM 110
Fine jersey – STRETCH NEEDLE NM 75
Fleece – UNIVERSAL NEEDLE NM 70 to NM 90 or STRETCH NEEDLE NM 75, NM 90
Fleece, multilayer – UNIVERSAL PRO NEEDLE NM 90 to NM 110

Foundation garments – STRETCH NEEDLE NM 75, NM 90 or JERSEY / EMBROIDERY NEEDLE NM 70 to NM 90
Fur cloth – UNIVERSAL NEEDLE NM 70 to NM 100 or JERSEY / EMBROIDERY NEEDLE NM 70 to NM 90

G

Gabardine – UNIVERSAL NEEDLE NM 70 to NM 100
Gauze – FINE FABRICS NEEDLE NM 70, NM 80
Georgette (as well as Crêpe Georgette) – UNIVERSAL NEEDLE or MICROTEx NEEDLE NM 60 to NM 80

FINE FABRICS NEEDLE



- **System 130/705 H SES**
With a small ball point for fine, delicate materials, such as velvet.
- **Needle sizes NM 70 to NM 90, also assorted**

METAFIL NEEDLE



- **System 130/705 H METAFIL**
With a very long eye (2 mm in all needle sizes) compared to the UNIVERSAL or EMBROIDERY NEEDLE. For sewing with special and fancy threads, especially metallic threads.
- **Needle size NM 80**
- **Colour coding:**
antique pink

H **Half-linen** – UNIVERSAL NEEDLE NM 70, NM 80
Hemstitching – HEMSTITCH NEEDLE NM 100, NM 120 or HEMSTITCH TWIN NEEDLE NM 100
Highly elastic knitted material (Lycra, silk jersey) – STRETCH NEEDLE NM 75

J **Jacquard fabric** – UNIVERSAL NEEDLE NM 80 to NM 100
Jeans – JEANS NEEDLE NM 80 to NM 110
Jeans, multilayer – JEANS PRO NEEDLE NM 80 to NM 100

Jersey – JERSEY / EMBROIDERY NEEDLE NM 70, NM 80, for elastic materials STRETCH NEEDLE NM 75

K **Knitted fabric** – JERSEY / EMBROIDERY NEEDLE NM 70 to NM 100
Knitwear – JERSEY / EMBROIDERY NEEDLE NM 70 to NM 90, for elastic materials STRETCH NEEDLE NM 75, NM 90

TOPSTITCH NEEDLE



- **System 130/705 H-N**
With a very long eye (2 mm in all needle sizes) compared to the UNIVERSAL or EMBROIDERY NEEDLE.
For decorative stitching and topstitching with multiple threads and also for replacing missing stitches in embroidery.
- **Needle sizes NM 70 to NM 100**
- **Colour coding:** light green

FELTING NEEDLE



- **System PUNCH**
Needle with barbs for felting a variety of yarns and threads into base fabrics.
Replacement needles for the BERNINA PunchWork set.

L

Lace – Select needle individually to suit material, NM 60 to NM 90

Lamé – MICROTEx NEEDLE NM 60 to NM 90

Lavable – UNIVERSAL NEEDLE NM 60 to NM 90

Leather – thick, hard artificial leather – LEATHER NEEDLE NM 100 or JEANS PRO NEEDLE NM 100

Leather – thin – LEATHER NEEDLE NM 90 or JEANS NEEDLE NM 90

Linen – UNIVERSAL NEEDLE NM 80, NM 90

Loden (woollen felted fabric) – UNIVERSAL NEEDLE NM 80 to NM 120

Lycra – STRETCH NEEDLE NM 75, NM 90 or JERSEY / EMBROIDERY NEEDLE NM 70 to NM 90

M

Metallic threads – METAFIL NEEDLE NM 80

Microfibre fabric – MICROTEx NEEDLE NM 60 to NM 90

Multicoloured decorative seams – DOUBLE EYE NEEDLE NM 80 or TWIN NEEDLE (special needles are available for the different applications) NM 70 to NM 100, NE 1.6 mm to 8.0 mm or TWIN NEEDLE NM 80, NE 3.0 mm

HEMSTITCH NEEDLE



- **System 130/705 H WING**
With a „wing“ on each side of the needle blade, which pushes the fabric aside. For decorative seams and hemstitching in loosely woven fabrics.
- **Needle sizes NM 100 and NM 120**

Also available as a **TWIN NEEDLE** together with a **UNIVERSAL NEEDLE**.

N **Nettle fabric** – UNIVERSAL NEEDLE NM 80 to NM 100
Nylon – UNIVERSAL NEEDLE or MICROTEx NEEDLE NM 60 to NM 90

O **Organdy (glass cambric)** – UNIVERSAL NEEDLE or MICROTEx NEEDLE NM 60, NM 70
Organza – UNIVERSAL NEEDLE or MICROTEx NEEDLE NM 60, NM 70
Overlock seams, trimming seams – There are different needle systems, see machine manufacturer's information

DOUBLE EYE NEEDLE



- **System 130/705 DE**
With two eyes, for decorative sewing using fancy threads.
- **Needle size NM 80**

P **Panne velvet** – FINE FABRICS NEEDLE NM 70, NM 80 or STRETCH NEEDLE NM 75 or UNIVERSAL NEEDLE NM 70, NM 80
Patchwork – QUILTING NEEDLE NM 75, NM 90
Pintucks – TWIN NEEDLE (special TWIN NEEDLES are available for the different applications) NM 70 to NM 100, NE 1.6 to 4.0 mm; for elastic materials: STRETCH TWIN NEEDLE NM 75, NE 2.5 mm or 4.0 mm
Polyester – UNIVERSAL NEEDLE or MICROTEx NEEDLE NM 60 to NM 100
Poplin – MICROTEx NEEDLE or UNIVERSAL NEEDLE NM 60 to NM 80

COVER STITCH NEEDLE



- **System ELX705 CF**
With a second groove, which is required for trouble-free coverstitch seams. The chrome coating gives the needle a wear-resistant surface. For coverstitching and serging on multilayer, elastic fabrics.
- **Needle size NM 90**
- **Colour coding:** black

TWIN AND TRIPLE NEEDLES



Only for zigzag machines with transversal hook!

TWIN and TRIPLE NEEDLES are also available for special applications. They have the same characteristics as the equivalent single needles.

Applications: pintucks, single-colour and multicoloured decorative seams, hems

Q

Quilting – QUILTING NEEDLE NM 75, NM 90

R

Reversible – UNIVERSAL NEEDLE or JERSEY / EMBROIDERY NEEDLE NM 70 to NM 100

S

Seersucker – UNIVERSAL NEEDLE NM 70 to NM 90
Sequined material – MICROTEX NEEDLE NM 70 to NM 90 or STRETCH NEEDLE NM 75, NM 90
Serging (overlock seams) – There are different needle systems, see machine manufacturer's information
Shirts – UNIVERSAL NEEDLE NM 70, NM 80

Shirts with elastic threads – STRETCH NEEDLE NM 75
Silk jersey – STRETCH NEEDLE NM 75
Single jersey – STRETCH NEEDLE NM 75
Suits – UNIVERSAL NEEDLE NM 80, NM 90
Sweatshirt fabrics – JERSEY / EMBROIDERY NEEDLE NM 70 to NM 90 or JERSEY / EMBROIDERY PRO NEEDLE NM 80, NM 90

UNIVERSAL TWIN NEEDLE



- System 130/705 H ZWI 70/1,6
 - System 130/705 H ZWI 80/2,0
 - System 130/705 H ZWI 80/2,5
 - System 130/705 H ZWI 90/3,0
 - System 130/705 H ZWI 80/4,0
 - System 130/705 H ZWI 90/4,0
 - System 130/705 H ZWI 100/4,0
 - System 130/705 H ZWI 100/6,0
 - System 130/705 H ZWI 100/8,0
- Needle distance NE 1,6 to NE 8,0 mm
 - Needle sizes NM 70 to NM 100

STRETCH TWIN NEEDLE



- System 130/705 H-S ZWI 75/2,5
 - Needle distance NE 2,5 mm
 - Needle size NM 75
- System 130/705 H-S ZWI 75/4,0
 - Needle distance NE 4,0 mm
 - Needle size NM 75
- Colour coding: yellow

(Colour coding only on card, not on needle)



Table-linen – UNIVERSAL NEEDLE NM 60 to NM 100
Taffeta – MICROTEX NEEDLE or UNIVERSAL NEEDLE NM 60, NM 70
Terry cloth – UNIVERSAL NEEDLE NM 80, NM 90
Thermovelour (fleece) – UNIVERSAL NEEDLE NM 70 to NM 90 or STRETCH NEEDLE NM 75, NM 90
Topstitching – QUILTING NEEDLE NM 75, NM 90 or MICROTEX NEEDLE NM 60 to NM 90
Triple decorative seams – TRIPLE NEEDLE NM 80, NE 3.0 mm

T-Shirt – hems and edges – STRETCH TWIN NEEDLE NM 75, NE 2.5 mm or 4.0 mm
Tulle – UNIVERSAL NEEDLE or JERSEY / EMBROIDERY NEEDLE NM 70, NM 80
Twill – JEANS NEEDLE NM 80 to NM 110

HEMSTITCH TWIN NEEDLE



- **System**
130/705 H ZWIHO 100/2,5
- **Needle distance** NE 2.5 mm
- **Needle size** NM 100

1 UNIVERSAL NEEDLE
together with 1 HEMSTITCH
NEEDLE

UNIVERSAL TRIPLE NEEDLE



- **System**
130/705 H DRI 80/3,0
- **Needle distance** NE 3.0 mm
- **Needle size** NM 80



Velour – FINE FABRICS NEEDLE NM 70 to NM 90
Velour jersey – STRETCH NEEDLE NM 75, NM 90 or
FINE FABRICS NEEDLE NM 80, NM 90
Velvet – FINE FABRICS NEEDLE NM 70 to NM 90 or
STRETCH NEEDLE NM 75, NM 90 or UNIVERSAL NEEDLE
NM 70 to NM 90
Viscose – UNIVERSAL NEEDLE NM 70, NM 80
Voile – UNIVERSAL NEEDLE NM 60 to NM 80



Waxed cloth – MICROTEx NEEDLE or JEANS NEEDLE
NM 80 to NM 100
WING-needle – HEMSTITCH NEEDLE NM 100, NM 120
Wool and wool blends – UNIVERSAL NEEDLE NM 70
to NM 100
Wool and wool blends, multilayer – UNIVERSAL PRO
NEEDLE NM 90 to NM 110
Workwear – JEANS NEEDLE NM 100, NM 110



ZWIHO – HEMSTITCH TWIN NEEDLE NM 100

UNIVERSAL PRO NEEDLE



- **System 130/705 H PRO**
With an elongated groove and slightly rounded point, for problem-free sewing, particularly of thick, multi-layer fabrics.
- **Needle sizes** NM 90 to NM 110

JEANS-PRO-NADEL



(Colour coding only on card, not on needle)

- **System 130/705 H-J PRO**
The elongated groove and sharp, thin point make it easier to sew close, thick and multi-layer fabrics. The reinforced blade causes less deflection of the needle and reduces the risk of needle breakage and skip stitches. For denim (jeans) and similar tightly woven fabrics.
- **Needle sizes** NM 80 to NM 100
- **Colour coding:** blue



- **System**
130/705 H SUK PRO
With an elongated groove and medium ball point, for knitted fabrics and embroidery. Especially suitable for thick and multilayer fabrics due to the long groove.
- **Needle sizes** NM 80 to NM 100
- **Colour coding:** orange

(Colour coding only on card, not on needle)



PRO

Groove: This serves to guide the needle thread to the eye and protects the thread as the needle pierces the fabric. The length and width of the groove depend on the needle system. PRO NEEDLES have a longer groove to help prevent the occurrence of skip stitches and thread breakages with multiple/thick fabric layers.

GLOSSARY – FREQUENTLY USED ABBREVIATIONS AND TERMS

NE – Distance between the needles in mm for TWIN and TRIPLE NEEDLES

NM – Metric needle size, e.g. NM 80 = 0.8 mm blade diameter

NEEDLES FOR SPECIAL MACHINES



Universal and Cover Stitch Needles can be used on BERNINA coverstitch machines and overlockers. The PRO needles with a longer groove are ideal for BERNINA longarm quilting machines. BERNINA also offers flat shank needles (130/705 H) for household sewing machines and round shank needles (134 and 287 WH) for special machines.



The best sewing results are obtained by changing your needle regularly. Skip stitches and thread breakages during sewing are signs that your needle is faulty.

BERNINA needles have the name BERNINA and their needle size marked on the shank.

**More information is available at
www.bernina.com/needles**

BERNINA