

# Needle ABC

Needles for household  
sewing machines

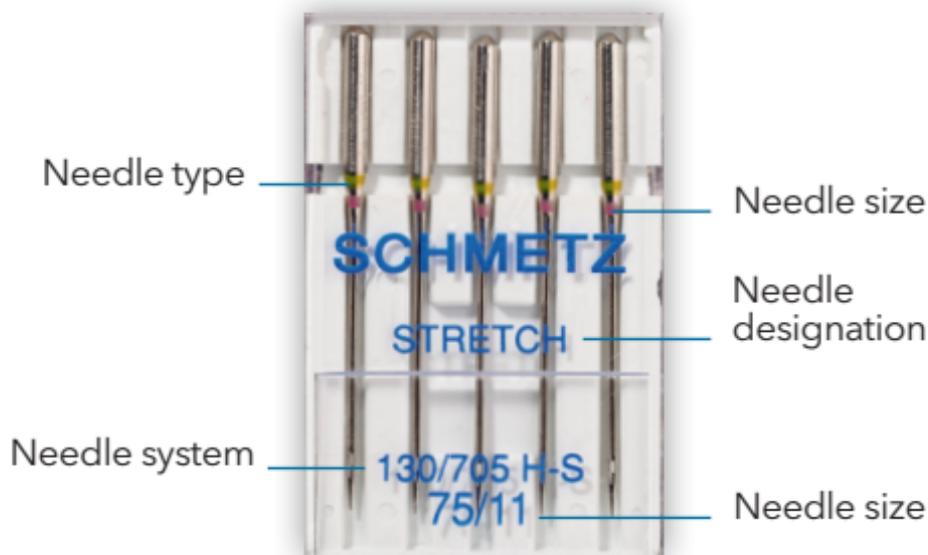


**SCHMETZ**

# Contents

Packaging .....	Page 3
Needle anatomy.....	Page 4
SCHMETZ point shapes on household sewing machine needles .....	Page 5
Universal Needle.....	Page 6
Jersey Needle .....	Page 7
Stretch Needle .....	Page 8
Super Stretch Needle .....	Page 9
Jeans Needle .....	Page 10
Microtex Needle .....	Page 11
Leather Needle .....	Page 12
Quilting Needle .....	Page 13
Topstitch Needle.....	Page 14
Metallic Needle.....	Page 15
Embroidery Needle .....	Page 16
Gold Embroidery Needle.....	Page 17
SCHMETZ color marking.....	Page 18
Super Universal Needle.....	Page 20
Needle eye comparison .....	Page 21
Embroidery Spring Needle .....	Page 22
Hemstitch Needle .....	Page 23
Double Eye Needle .....	Page 24
Quick Threading Needle.....	Page 25
Twin and Triple Needles .....	Page 26
Needles for special machines.....	Page 26
Universal Twin Needle .....	Page 27
Universal Twin Needle with particularly wide needle distance .....	Page 28
Stretch Twin Needle.....	Page 29
Jeans Twin Needle.....	Page 30
Embroidery Twin Needle.....	Page 31
Metallic Twin Needle .....	Page 32
Double Hemstitch Needle.....	Page 33
Universal Triple Needle .....	Page 34

## Packaging



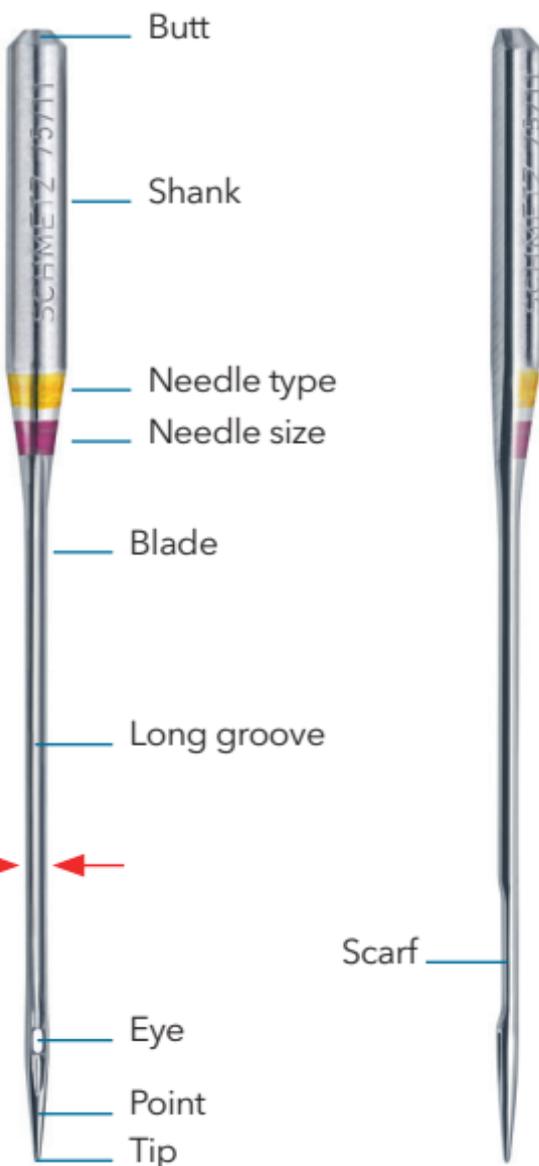
**Your sewing machine is only  
as good as the needle you use!**

# Needle anatomy

Front view

Side view

Needle size  
NM 75  
SIZE 11



## SCHMETZ point shapes on household sewing machine needles

Slightly rounded point



Medium ball point



Slightly rounded point with special taper



Acute round point



Light ball point



Twist point LL



Replace your needle regularly! This is the easiest way to improve the seam quality.

Worn or damaged needles often result in:

- Frayed threads or thread breakage
- Skipped stitches or uneven stitches
- Seam puckering
- Damaged textiles
- Popping sound during sewing



**Rule of thumb:** We recommend replacing the needle after 8 hours of sewing time.

# Universal Needle



## System 130/705 H

with slightly rounded point, for problem-free processing of many different types of material

**Needle size** NM 60 to NM 130, also assorted

Also available as  
Twin and Triple  
Needle

**A** **Ajour** Jersey Needle NM 70 to NM 90

**B** **Batiste** Universal Needle NM 60, NM 70

**Bedding, jersey** Stretch Needle NM 75, NM 90

**Bedding, woven fabric** Universal Needle NM 70 to NM 100

**Belseta** Microtex Needle NM 70 to NM 90

# Jersey Needle



**System 130/705 H SUK**  
with medium ball point  
for knit fabrics

**Needle size** NM 70 to  
NM 100, also assorted

**Color marking** 

**Bouclé** Jersey Needle NM 70 to NM 90

**Brocade** Universal Needle or Microtex  
Needle NM 60 to NM 90

**C** **Calico** Universal Needle NM 80 to NM 100

**Canvas** Jeans Needle NM 90 to NM 110

**Chambray** Universal Needle NM 80, NM 90

**Chenille** Universal Needle NM 90

## Stretch Needle



Also available as  
Twin Needle

### **System 130/705 H-S**

with medium ball point; for elastic materials and highly elastic knitted fabric

The special eye section and scarf shape help to prevent skipped stitches, in particular with highly elastic fabrics.

**Needle size** NM 65, NM 75, NM 90, also assorted

**Color marking** 

**Chiffon** Universal Needle or Microtex Needle NM 60, NM 70

**Coarse warp-knit fabric and knitwear**

Jersey Needle NM 80, NM 90

**Coat fabric** Universal Needle NM 90 to NM 130

**Coated materials** Microtex Needle NM 70 to NM 110

**Corduroy** Universal Needle NM 80 to NM 100

# Super Stretch Needle



Also for suitable  
overlock machines

## System HAX1 SP

Stretch Needle with widened eye and widened thread groove, as well as reinforced blade; the chrome coating increases the wear resistance; for sewing with thicker threads and for preventing needle breakage – as an alternative to the Stretch Needle for elastic materials and highly elastic knit fabric

**Needle size** NM 65, NM 75, NM 90, also assorted

**Color marking** 

**Corsetry fabrics** Stretch Needle NM 75, NM 90 or Jersey Needle NM 70 to NM 90

**Cotton knitwear** Jersey Needle NM 70 to NM 90 or Stretch Needle NM 75, NM 90

**Crêpe de Chine** Universal Needle or Microtex Needle NM 60 to NM 80

**Crepe** Universal Needle or Microtex Needle NM 60 to NM 80

## Jeans Needle



Also available as  
Twin Needle

### **System 130/705 H-J**

with medium ball point, which moves more easily through thick fabrics without damaging the material; the reinforced blade guarantees reduced deflection of the needle and reduces the risk of needle breakage and skipped stitches; for denim (jeans) and similarly tough fabrics

**Needle size** NM 70 to NM 110, also assorted

**Color marking**

**Crinkle, crash** Universal Needle or Microtex Needle NM 60 to NM 80

**Cupro** Microtex Needle NM 60 to NM 80

**Curtains** Universal Needle or Jersey Needle NM 80, NM 90

**D** **Denim** Jeans Needle NM 70 to NM 110;  
Jeans Twin Needle (for accentuated topstitch seams) NM 100

# Microtex Needle



## System 130/705 H-M

with a particularly acute, slim point for easier entry into extremely fine or densely woven materials; for extremely straight stitches, topstitching work on edges, including for silk, microfiber fabrics, coated materials, foils and synthetic leather

**Needle size** NM 60 to NM 110, also assorted

**Color marking** 

**Devoré** Stretch Needle NM 65, NM 75, NM 90

**Double Face** Universal Needle NM 70 to NM 110

**E** **Effect threads** Embroidery Needle NM 75, NM 90 or Gold Embroidery Needle NM 75, NM 90 or Metallic Needle NM 80, NM 90

**Elastic materials** Stretch Needle NM 65, NM 75, NM 90; Super Stretch Needle (for thicker threads) NM 65, NM 75, NM 90

## Leather Needle



**System 130/705 H LL**  
with cutting point LL  
(= twist point) for easier  
penetration; for leather,  
hard synthetic leather or  
similar materials

**Needle size** NM 70 to  
NM 120, also assorted

**Color marking** ■

Not suitable for  
woven fabrics or  
knitted fabrics

**Embroidery** Embroidery Needle NM 75,  
NM 90; Embroidery Spring Needle (for  
embroidery without a sewing foot) NM 80;  
Gold Embroidery Needle (for large number  
of stitches) NM 75, NM 90

**Embroidery with self-adhesive stabilizers**  
Super Universal Needle NM 70 to NM 90

## Quilting Needle



**System 130/705 H-Q** with special taper to the slightly rounded needle point, which can penetrate easily through thick layers without damaging the material; for topstitching work such as quilting and patchwork

**Needle size** NM 75 and NM 90, also assorted

**Color marking** 

**F** **Fancy seams** Hemstitch Needle NM 100, NM 120 or Double Eye Needle NM 80 or Twin Needle NM 70 to NM 100 (special needles are available for different application areas), NE 1.6 mm to 8.0 mm or Triple Needle NM 80, NE 2.5 mm or 3.0 mm

**Fancy seams, multiple colors** Double Eye Needle NM 80 or Twin Needle (special needles are available for different application areas)

## Topstitch Needle



### System 130 N

with extremely long needle eye (2 mm in all needle sizes) compared with Universal or Embroidery Needles; for ornamental and topstitching work with multiple threads, as well as for re-embroidery

**Needle size** NM 70 to NM 110, also assorted

**Color marking**

NM 70 to NM 100, NE 1.6 mm to 8.0 mm or Triple Needle NM 80, NE 2.5 mm or 3.0 mm

**Fancy seams, three-line** Triple Needle NM 80, NE 2.5 mm or 3.0 mm

**Fancy seams, two-line** Twin Needle (special needles are available for different application areas) NM 70 to NM 100, NE 1.6 mm to 8.0 mm

**Faux fur** Universal Needle NM 70 to NM 100 or Jersey Needle NM 70 to NM 90

## Metallic Needle



Also available as  
Twin Needle

### **System 130 MET**

with extremely long needle eye (2 mm in all needle sizes) compared with Universal or Embroidery Needles; for processing special and effect threads, in particular for metallic threads

**Needle size** NM 80 and NM 90

**Color marking** 

**Felt** Universal Needle NM 80 to NM 100

**Fine jersey** Stretch Needle NM 65, NM 75

**Fleece** Universal Needle NM 70 to NM 90 or Stretch Needle NM 75, NM 90

**Foils (plastic foils, synthetic leather, oilcloth)**

Microtex Needle NM 60 to NM 110

## Embroidery Needle



Also available as  
Twin Needle

### System 130/705 H-E

with light ball point,  
extremely wide needle eye  
(compared with the Universal  
Needle) and wide thread  
groove for thicker threads  
and wool threads; for  
embroidery

**Needle size** NM 75 and  
NM 90, also assorted

**Color marking** 

**G** **Gabardine** Universal Needle NM 70 to  
NM 100

**Gauze** Jersey Needle NM 70, NM 80

**Georgette (also known as Crêpe Georgette)**  
Universal Needle or Microtex Needle NM 60  
to NM 80

**H** **Half-linen** Universal Needle NM 70, NM 80

## Gold Embroidery Needle



**System 130/705 H-ET** with light ball point, enlarged eye and titanium-nitride coating, which provides a longer service life in applications with a high number of stitches and less residues on the needle; for embroidery and tough, densely woven materials

**Needle size** NM 75 and NM 90

**Hemstitch seams** Hemstitch Needle NM 100, NM 120 or Double Hemstitch Needle NM 100

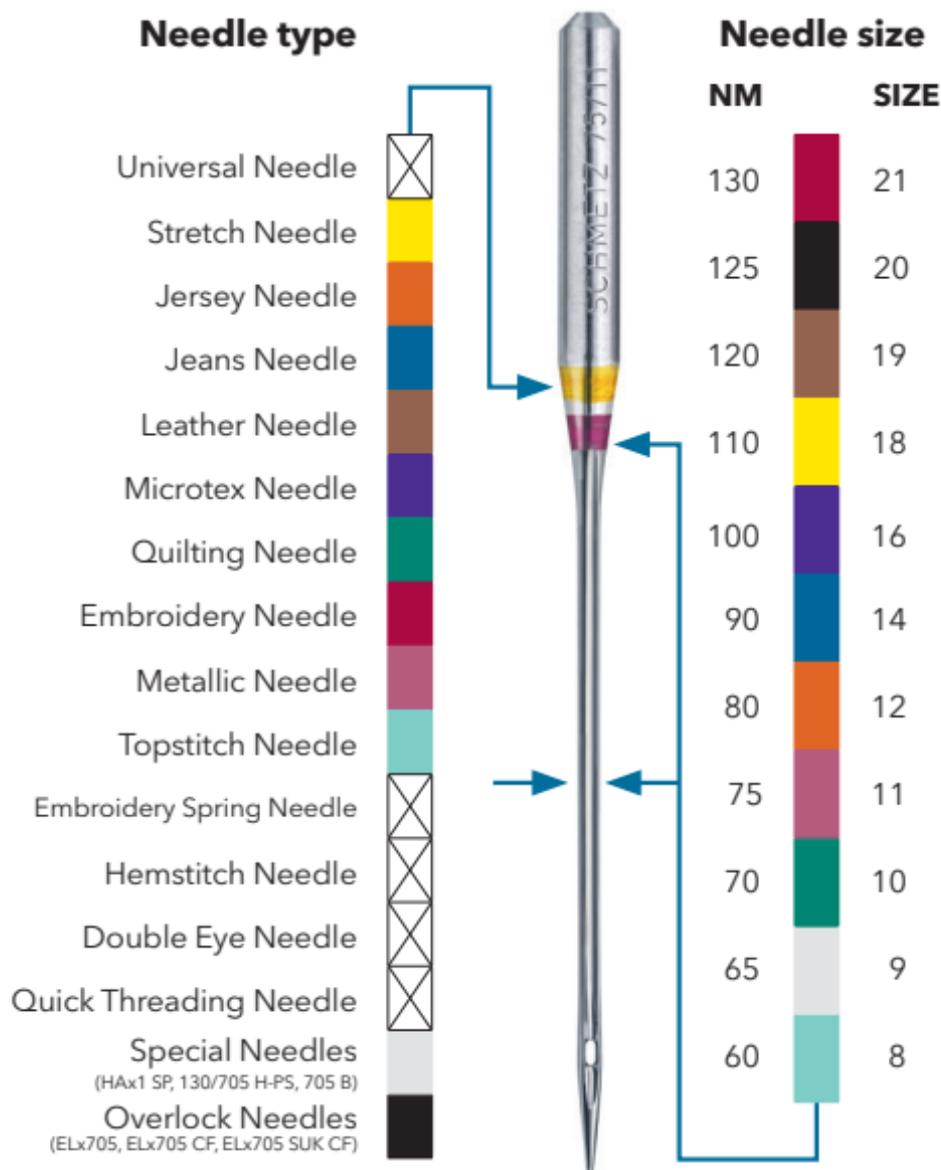
**Highly elastic warp-knit fabric (lycra, silk jersey)** Stretch Needle NM 65, NM 75

**Hook-and-loop tape** Super Universal Needle NM 80 to NM 100

**Imitation fur (fun fur)** Jersey Needle or Universal Needle NM 70 to NM 100

## **SCHMETZ color marking**

The color code on the shoulder of the SCHMETZ household sewing machine needles enables the needle type and size to be identified quickly. The first color indicates the needle type, the second color represents the needle size.



Note: ☒ For this application no color marking is used.  
Only the needle size is color-marked.

# Super Universal Needle



## System 130/705 H-SU

with slightly rounded point and special blade reinforcement; the smooth non-stick coating ensures reduced adhesive residues on the needle and, together with the extra-large eye, prevents thread breakage; the special eye section, in combination with the scarf shape, helps to prevent skipped stitches; for embroidery with self-adhesive embroidery stabilizer and spray adhesive, hook-and-loop fasteners and other challenging materials

**Needle size** NM 70 to NM 100

**J** **Jacquard** Universal Needle NM 80 to NM 100

**Jeans** Jeans Needle NM 70 to NM 110; Jeans Twin Needle (for accentuated topstitching) NM 100

**Jersey** Jersey Needle NM 70, NM 80; Stretch Needle (for elastic material) NM 65, NM 75

## Needle eye comparison

Universal Needle



Embroidery Needle



Gold Embroidery Needle



Super Universal Needle



Metallic Needle



Topstitch Needle



**K** **Knitted fabric, coarse** Jersey Needle

NM 70 to NM 100

**Knitted fabric, fine** Jersey Needle NM 70 to NM 90; Stretch Needle (for elastic material)

NM 65, NM 75, NM 90

**L** **Lace** needle must be coordinated individually with the material, NM 70 to NM 90

**Lamé** Microtex Needle NM 60 to NM 90

## Embroidery Spring Needle



### **System 130/705 H SPR**

with a spring that surrounds the needle and takes on the function of a sewing foot; for embroidery work with embroidery frame without a sewing foot, for individual embroidery patterns, free motion and improved visibility during sewing

**Needle size** NM 80

**Lavabel** Universal Needle NM 60 to NM 90

**Leather, thick** Leather Needle NM 100 to NM 120

**Leather, thin** Leather Needle or Universal Needle NM 70 to NM 90

**Linen** Universal Needle NM 80, NM 90

**Lingerie** Stretch Needle NM 75 or Super Stretch Needle NM 70, NM 80

## Hemstitch Needle



### **System 130/705 H WING**

with wing-like widened needle blade, which pushes the material to the side; for decorative seams and fancy hemstitch seams in loosely woven fabrics

**Needle size** NM 100 and NM 120

Also available as a Twin Needle in combination with a Universal Needle

**Loden** Universal Needle NM 80 to NM 130

**Lybra** Stretch Needle NM 65, NM 75, NM 90 or Jersey Needle NM 70 to NM 90

**M** **Metallic sewing/embroidery thread** Metallic Needle NM 80, NM 90 or Gold Embroidery Needle NM 75, NM 90

**Microfiber woven fabric** Microtex Needle NM 60 to NM 90

## Double Eye Needle



**System 705 DE**  
with two eyes; for  
ornamental work with  
effect threads

**Needle size** NM 80

**N** **NE** Needle distance in mm for Twin and Triple Needles

**NM** needle thickness (blade diameter) in hundredths of a millimeter (e.g. NM 80 = 0.8 mm blade diameter)

**Nylon** Universal Needle or Microtex Needle  
NM 60 to NM 90

# Quick Threading Needle



## System 705 HDK

Universal Needle with a small slot on the side of the needle eye, which allows the thread to slide into the eye; for easy threading of the thread into the eye

**Needle size** NM 80 and NM 90

- **Oilcloth** Microtex Needle NM 80 to NM 100
- **Organdy** Universal Needle or Microtex Needle NM 60, NM 70
- Organza** Universal Needle or Microtex Needle NM 60, NM 70
- Overlock work** There are different needle systems, please follow the information provided by the machine manufacturer.

## Twin and Triple Needles

Only suitable for zig-zag machines with a transverse hook. Twin Needles are also available for almost all sewing work, with properties that correspond to the relevant individual needle.

**Application areas** pintucks, single and multi-colored fancy seams, hem seams

## Needles for special machines

SCHMETZ offers all the necessary needle systems for household overlock machines and other special machines. Ask for the list of "Needles for household sewing machines, special applications and overlock" in your specialty store.

Ask for the list of "Needles for household sewing machines, special applications and overlock" in your specialty store.

**P** **Panne velvet** Stretch Needle NM 75 or Universal Needle NM 70, NM 80

**Patchwork** Quilting Needle NM 75, NM 90

**Pintucks** Twin Needle (special needles are available for different application areas)

# Universal Twin Needle



**System 130/705 H ZWI NE 1,6**

**Needle distance** 1.6 mm

**Needle size** NM 70 and NM 80

**System 130/705 H ZWI NE 2,0**

**Needle distance** 2.0 mm

**Needle size** NM 80

**System 130/705 H ZWI NE 2,5**

**Needle distance** 2.5 mm

**Needle size** NM 80

**System 130/705 H ZWI NE 3,0**

**Needle distance** 3.0 mm

**Needle size** NM 90

**System 130/705 H ZWI NE 4,0**

**Needle distance** 4.0 mm

**Needle size** NM 80 to NM 100

NM 70 to NM 100, NE 1.6 to 4.0 mm; Stretch Twin Needle (for elastic materials) 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

# Universal Twin Needle with particularly wide needle distance



**System 130/705 H ZWI BR NE 6,0**

**Needle distance** 6.0 mm

**Needle size** NM 100

**System 130/705 H ZWI BR NE 8,0**

**Needle distance** 8.0 mm

**Needle size** NM 100

**Q** **Quilting** Quilting Needle NM 75, NM 90

**R** **Reversible** Universal Needle or Jersey Needle NM 70 to NM 100

**S** **Seersucker** Universal Needle NM 70 to NM 90

**Sequined fabric** Microtex Needle NM 70 to NM 90 or Stretch Needle NM 75, NM 90

**Serging seams** see overlock work

# Stretch Twin Needle



**System 130/705 H-S ZWI NE 2,5**

**Needle distance** 2.5 mm

**Needle size** NM 75

**System 130/705 H-S ZWI NE 4,0**

**Needle distance** 4.0 mm

**Needle size** NM 75

**Shirts** Universal Needle NM 70, NM 80

**Shirts with stretch** Stretch Needle NM 75

**Shot fabric** Universal Needle or Microtex  
Needle NM 60 to NM 80

**Silk jersey** Stretch Needle NM 65, NM 75

**Silk** Microtex Needle NM 60 to NM 90

**Single jersey** Stretch Needle NM 65, NM 75

**Suits** Universal Needle NM 80, NM 90

**Sweatshirt fabrics** Jersey Needle NM 70 to  
NM 90

## Jeans Twin Needle



**System 130/705 H-J ZWI NE 4,0**

**Needle distance** 4.0 mm

**Needle size** NM 100

**Synthetic leather, hard** Leather Needle  
NM 100 to NM 120

**Synthetic leather, soft** Microtex Needle or  
Leather Needle NM 70 to NM 100

**T** **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

# Embroidery Twin Needle



**System 130/705 H-E ZWI NE 2,0**

**Needle distance** 2.0 mm

**Needle size** NM 75

**System 130/705 H-E ZWI NE 3,0**

**Needle distance** 3.0 mm

**Needle size** NM 75

**Topstitching work** Topstitch Needle NM 75, NM 90 or Microtex Needle NM 60 to NM 90

**T-shirt hems/edge finishing** Stretch Twin Needle NM 75, NE 2.5 mm or 4.0 mm

**Tulle** Universal Needle or Jersey Needle NM 70, NM 80

**Twill** Jeans Needle NM 70 to NM 110

## Metallic Twin Needle



**System 130 MET ZWI NE 2,5**

**Needle distance** 2.5 mm

**Needle size** NM 80

**System 130 MET ZWI NE 3,0**

**Needle distance** 3.0 mm

**Needle size** NM 90

**V** **Velour jersey, warp-knitted plush** Stretch  
Needle NM 75, NM 90

**Velour** Universal Needle NM 70 to NM 100

**Velvet** 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

## Double Hemstitch Needle



**System 130/705 H ZWIHO**

**Needle distance** 2.5 mm

**Needle size** NM 100

1 Hemstitch Needle in  
combination with  
1 Universal Needle

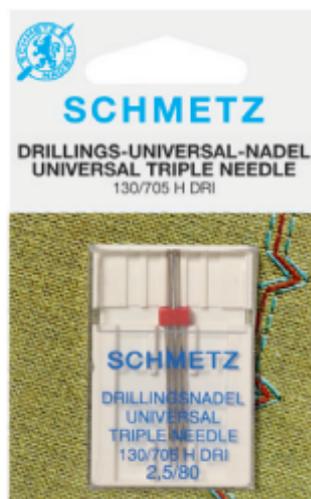
**W WING Needle** Hemstitch Needle NM 100,  
NM 120

**Wool/wool blend fabric** Universal Needle  
NM 70 to NM 100

**Working clothes** Jeans Needle NM 100,  
NM 110

**Z ZWIHO** Double Hemstitch Needle NM 100

## Universal Triple Needle



**System 130/705 H DRI NE 2,5**

**Needle distance** 2.5 mm

**Needle size** NM 80

**System 130/705 H DRI NE 3,0**

**Needle distance** 3.0 mm

**Needle size** NM 80

Because the materials vary significantly, this information is only a general indication. SCHMETZ recommends testing the needles on a piece of left-over material before use.

Have you seen our new website  
**[www.schmetz.com](http://www.schmetz.com)**? Visit us now and find  
out about SCHMETZ and the portfolio for  
household sewing machine needles.





[www.schmetz.com](http://www.schmetz.com)

Dealer stamp