

Needle ABC

Needles for household
sewing machines

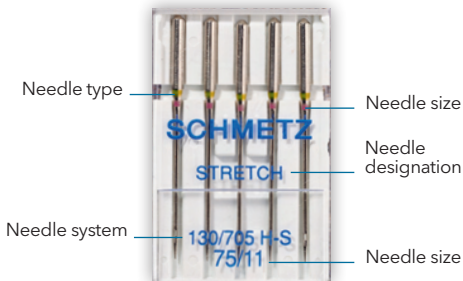


SCHMETZ

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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

Butt

Shank

Needle type

Needle size

Blade

Long groove

0.75 mm

Scarf

Eye

Point

Tip

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

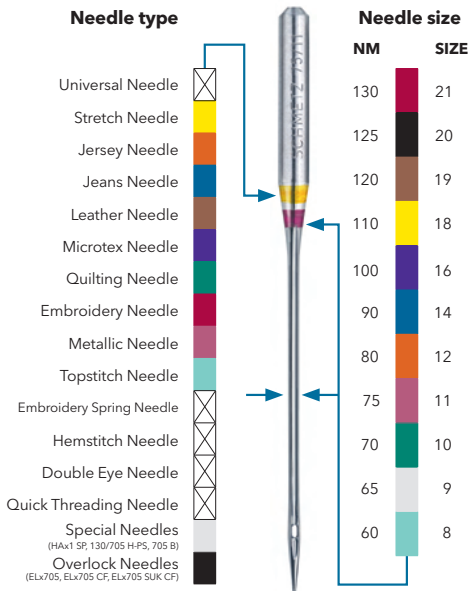
Highly elastic warp-knit fabric (lycra, silk jersey) Stretch Needle NM 65, NM 75

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

Lycra 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

- O** **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.

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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

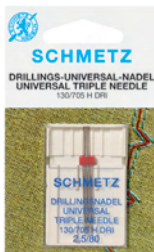
W WING Needle Hemstitch Needle NM 100,
NM 120

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? Visit us now and find
out about SCHMETZ and the portfolio for
household sewing machine needles.





www.schmetz.com

Dealer stamp