



**SCHMETZ**

NEEDLES SINCE 1851

**ABC  
Pocket Guide**

**Household Sewing Machine Needles  
System 130/705 H**

# UNIVERSAL NEEDLE



- **Size:** 60, 65, 70, 75, 80, 90, 100, 110, 120, Assorted, Twin, Triple.
- **Color Code:** None
- **Feature:** Slightly rounded point.
- **Fabric Use:** Numerous — wovens and knits. A great general purpose needle.

## SCHMETZ Works with All Sewing Machines!

SCHMETZ needles work with all new, current, and older household sewing machines!

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

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# STRETCH NEEDLE

- **Size:** 65, 75, 90, Twin
- **Color Code:** **Yellow**
- **Feature:** Medium ball point, special eye and scarf.
- **Fabric Use:** Elastic materials and highly elastic knitwear. The medium ball point, specially designed eye and scarf prevent skipped stitches.



## 130/705 H

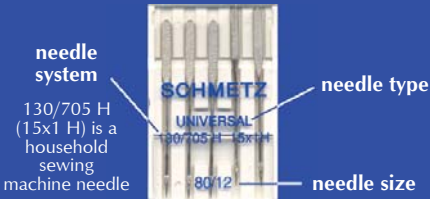
130/705 H needles are equivalent to 15x1 H needles (Japanese) and 2020 (Singer). Household sewing machines require a needle with a flattened shank. All needles in this system have a flattened shank for perfect positioning in the needle bar in relation to the hook.

# JERSEY NEEDLE



- **Size:** 70, 80, 90, 100, Assorted
- **Color Code:** None
- **Feature:** Medium ball point.
- **Fabric Use:** Knits and some stretch fabrics. Made especially for sewing on knits. The medium ball point does not damage or break knitted fibers.

## How to Read a Needle Package



# JEANS NEEDLE

- **Size:** 70, 80, 90, 100, 110, Assorted, Twin
- **Color Code:** **Blue**
- **Feature:** Modified medium ball point and reinforced blade.
- **Fabric Use:** Denim and similar fabrics. Advanced point design is a SCHMETZ exclusive. For penetrating extra thick woven fabrics, denims, or quilts with minimum needle deflection, reduced risk of needle breakage and skipped stitches.



## Needle & Fabric Recommendations

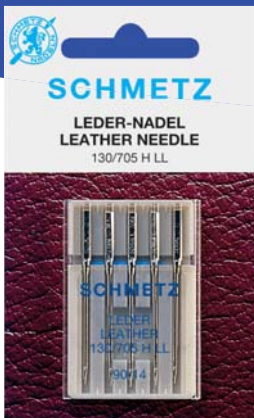
These are general recommendations as fabrics vary greatly. Test the needle on fabric scraps before sewing.

**A**rtificial Fur – Jersey or Universal 70-100

Artificial Leather – Microtex or Leather 70-100

**B**atiste – Universal 60, 70

# LEATHER NEEDLE



- **Size:** 70, 80, 90, 100, 110, 120
- **Color Code:** None
- **Feature:** Cutting point.
- **Fabric Use:** Leather, artificial leather, heavy non-woven synthetics. Do not use on knit or woven fabrics.

Bed-Linen, Jersey – Stretch 75, 90  
Bed-Linen, Woven – Universal 70-100  
Belseta – Microtex 70-90  
Bouclé – Jersey 70-90  
Brocade – Universal or Microtex 60-90

Cambric – Universal 60, 70  
Canvas – Jeans 90-110  
Chambray – Universal 80, 90

# MICROTEX (SHARP) NEEDLE

- **Size:** 60, 70, 80, 90, 100, 110
- **Color Code:** **Purple**
- **Feature:** Very slim acute point.
- **Fabric Use:** Micro fibers, polyester, silk, foils, artificial leather, coated materials. Very thin acute point creates beautiful topstitching and perfectly straight stitches for quilt piecing when precision is paramount.



Chenille – Universal 90

Chiffon – Universal or Microtex 60, 70

Coated Material – Microtex 70-110

Corduroy – Universal 80-100

Cotton, Knit – Jersey 70-90 or Stretch 75, 90

Cotton, Woven – Universal 70-90

Crepe – Universal or Microtex 60-80

Crepe-de-Chine – Universal or Microtex 60-80

Crinkle – Universal or Microtex 60-80

# QUILTING NEEDLE



- **Size:** 75, 90, Assorted
- **Color Code:** **Green**
- **Feature:** Special taper to the slightly rounded point.
- **Fabric Use:** Made especially for piecing and machine quilting. The special tapered design allows easier fabric penetration and helps eliminate skipped stitches.

Cupro – Microtex 60-80

Denim – Jeans 70-110

Double-Face Woven – Universal 70-110

Elastic – Stretch 65-90

Felt – Universal 80-100

Flannel – Universal 80-110



# EMBROIDERY NEEDLE

- **Size:** 75, 90, Assorted, Twin
- **Color Code:** **Red**
- **Feature:** Light ball point, wide eye and groove.
- **Fabric Use:** Use with rayon, polyester and other specialty embroidery threads. The special scarf, widened groove and enlarged eye protect fragile threads and guard against excess friction allowing trouble-free embroidery and decorative stitching.



Fleece – Universal 70-90 or Stretch 75, 90

Foils – Microtex 60-110

Fun Fur – Universal 70-100 or Jersey 70-90

**G**abardine – Universal 70-100

Gauze – Jersey 70, 80

Georgette – Universal or Microtex 60-80

**J**acquard – Universal 80-100

# GOLD EMBROIDERY NEEDLE



- **Size:** 75, 90
- **Color Code:** None
- **Feature:** Titanium Nitride coating, slightly rounded point and enlarged eye.
- **Fabric Use:** Coarse and densely woven materials. Slightly rounded point and enlarged eye are perfect for embroidery on most fabrics and with the most fragile specialty threads.

Titanium coating resists adhesives, improves needle wear and penetration of coarse and densely woven fabrics.

Jeans – Jeans 70-110 or Jeans Twin 4.0/100

Jersey – Jersey 60-80

Jersey with Elastic – Stretch 65-90

**K**nits – Jersey 70-100

Knits with Elastic – Jersey 70-100 or Stretch 65, 75, 90

**L**ace – Select by Fabric Type 70-90

Lamé – Microtex 60-90

# METALLIC NEEDLE

- **Size:** 80, 90
- **Color Code:** None
- **Feature:** Elongated eye.
- **Fabric Use:** Metallic and other specialty threads. A “must have” for sewing with sensitive metallic threads. The elongated eye prevents shredding and breaking of metallic threads.



Lavable – Universal 60-90

Leather, Thick & Artificial Leather – Leather 100-120

Leather, Thin – Leather or Universal 70-90

Lingerie – Stretch 65, 75, 90 or Jersey 70-90

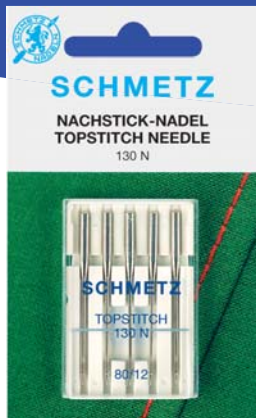
Linen & Half-Linen – Universal 70-90

Loden – Universal 80-120

Lycra – Stretch 65-90 or Jersey 70-90

**M**icrofiber – Microtex 60-90

# TOPSTITCH NEEDLE



- **Size:** 80, 90, 100
- **Color Code:** None
- **Feature:** Extra long eye.
- **Fabric Use:** Topstitch, heavy, multiple or poor quality threads. Achieve perfectly straight stitch lines and even stitches when using a straight stitch plate.

**N**ettle – Universal 80-100

Nylon – Universal or Microtex 60-90

**O**il Cloth – Microtex 80-100

Organdy – Universal or Microtex 60, 70

Organza – Universal or Microtex 60, 70

**P**atchwork – Quilting 75, 90 or Jeans 70-110

Polyester – Universal or Microtex 60-100

# EMBROIDERY SPRING NEEDLE

- **Size:** 80
- **Color Code:** None
- **Feature:** With a spring around the needle, which assumes the function of the presser foot.
- **Fabric Use:** For embroidering in a frame without presser foot, for individual patterns, free motion and better sight during embroidering.



Poplin – Microtex or Universal 60-80

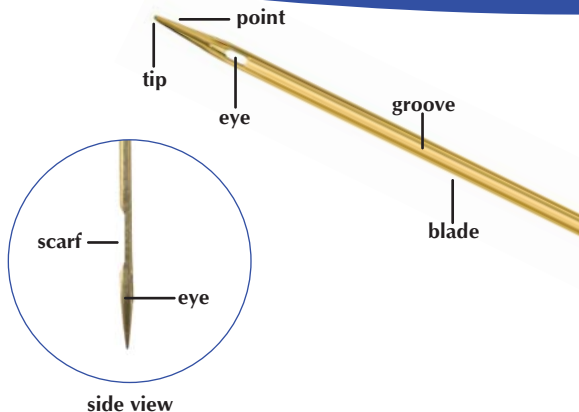
Quilt – Quilting 75, 90 or Jeans 70-110

Reversible – Universal or Jersey 70-100

Seersucker – Universal 70-90

Sequined Fabric – Microtex 70-90 or  
Stretch 75, 90

# NEEDLE ANATOMY



**Point and Tip:** Length, shape and size vary according to needle types.

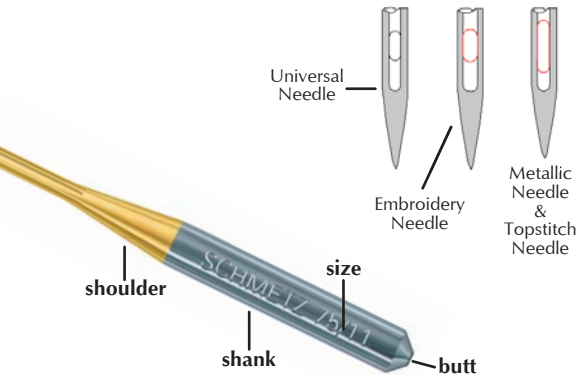
**Eye:** The hole through which thread passes. The shape and size vary according to needle type.

**Scarf:** Indentation above the eye that allows the bobbin hook to smoothly grab the thread under the throat plate to create a stitch.

**Groove:** Cradles and guides thread to the eye.

# NEEDLE ANATOMY

## Needle Eye Comparison



**Blade:** Needle size is determined by the blade diameter (i.e., size 75 is .75mm)

**Shoulder:** Sloping area transitioning between the shank and blade.

**Shank:** Household needles have a flat shank.

**Butt:** Beveled end.

# HEMSTITCH NEEDLE



- **Size:** 100, 120, Twin
- **Color Code:** None
- **Feature:** A wing on each side of the needle.
- **Fabric Use:** Light or medium weight loosely woven fabrics. Popular for heirloom sewing and to create decorative cutwork.

Shot (changeable fabric) – Universal or  
Microtex 60-80

Silk – Microtex 60-90

Silk Jersey – Stretch 65, 75

Sweatshirt – Jersey 70-90

Taffeta – Microtex or Universal 60, 70

Terry Cloth – Universal 80, 90



# DOUBLE EYE NEEDLE

- **Size:** 80
- **Color Code:** None
- **Feature:** Universal needle with two eyes.
- **Fabric Use:** Numerous — wovens and knits. Use two different threads for shading and texturing effects for embroidery and topstitching.



Thermovelour Fleece – Universal 70-90 or  
Stretch 75, 90

Tulle – Universal or Jersey 70, 80

Twill – Jeans 70-110

Velour – Universal 70-100

Velour Jersey – Stretch 75, 90

Velvet – Stretch 75, 90 or Universal 70-90

Velvet Burn-Out – Stretch 65-90

# QUICK THREADING NEEDLE



- **Size:** 80, 90
- **Color Code:** None
- **Feature:** Universal needle with a slip-in threading slot in the eye.
- **Fabric Use:** Numerous — wovens and knits. A general purpose needle for effortless threading.

Velvet Panne – Stretch 75 or Universal 70-80

Vinyl – Microtex 60-90

Viscose – Universal 70-80

Voile – Universal 60-80

**W**axed Cloth – Microtex 80-100

Wool & Wool Blends – Universal 70-100

Workwear – Jeans 100, 110

# TWIN & TRIPLE NEEDLES



## Twin & Triple Needles

Twin Needles are available for most fabrics. Twin Needle properties are equivalent to single needles. Use for pintucks, topstitching, single and multi-colored decorative seams and hems.

# UNIVERSAL TWIN NEEDLE



- **Size:** 1.6/70, 1.6/80, 2.0/80, 2.5/80, 3.0/90, 4.0/80, 4.0/90, 4.0/100
- **Color Code:** None
- **Feature:** Two *Universal* needles mounted on one shank create two rows of stitches simultaneously.
- **Fabric Use:** Numerous — wovens and knits.

## Decorative Stitches

The following are suggested needles to use when producing decorative stitches:

**Decorative** — Double Eye 80

**Jeans Stitch** — Jeans 70-110, Twin 100

**Embroidery** — Embroidery 75, 90, GOLD Embroidery 75, 90, Embroidery Spring 80

# UNIVERSAL TWIN NEEDLE — WIDE

- **Size:** 6.0/100, 8.0/100
- **Color Code:** None
- **Feature:** Two *Universal* needles mounted on one shank create two rows of stitches simultaneously.
- **Fabric Use:** Numerous — wovens and knits.



**Hemstitch** — Hemstitch 110, 120 or  
Double Hemstitch 100

**Pintucks** — Twin 60-100, NE 1.6-4.0

**Twin Stitches** — Select appropriate needle type 70-100,  
NE 1.6-8.0

**Triple Stitches** — 2.5/80, 3.0/80

**Topstitching** — Topstitch 80-90 or Microtex 60-90

# STRETCH TWIN NEEDLE



- **Size:** 2.5/75, 4.0/75
- **Color Code:** None
- **Feature:** Two *Stretch* needles mounted on one shank create two rows of stitches simultaneously.
- **Fabric Use:** Elastic materials and highly elastic knitwear.

## Definitions

The following are frequently used needle terms:

**NE** — Distance between needles

**NM** — Needle size

**130/705 H** — Household needle with flat shank and scarf, equivalent to 15x1 H (Japanese) and 2020 (Singer).

# JEANS TWIN NEEDLE

- **Size:** 4.0/100
- **Color Code:** None
- **Feature:** Two *Jeans* needles mounted on one shank create two rows of stitches simultaneously.
- **Fabric Use:** Denim and similar extra-thick woven fabrics.



## Change Your Needle

Damaged or worn needles result in:

- Broken or shredded threads
- Skipped stitches
- Puckered fabrics
- Damaged fabrics
- Uneven threads

# METALLIC TWIN NEEDLE



- **Size:** 2.5/80
- **Color Code:** None
- **Feature:** Two *Metallic* needles mounted on one shank create two rows of stitches simultaneously.
- **Fabric Use:** Special effect and fancy threads, particularly for metallic threads.

## Needle Selection

Choose your needle according to the thickness of your thread and to accommodate fabric selection.



# EMBROIDERY TWIN NEEDLE

- **Size:** 2.0/75, 3.0/75
- **Color Code:** None
- **Feature:** Two *Embroidery* needles mounted on one shank create two rows of stitches simultaneously.
- **Fabric Use:** Use with rayon, polyester, and other specialty embroidery threads.



## Serger/Overlock/Specialty Machines

SCHMETZ provides all needle systems for domestic sergers and other special machines. Consult machine owner's manual and [www.schmetzneedles.com](http://www.schmetzneedles.com).

# DOUBLE HEMSTITCH NEEDLE



- **Size:** 2.5/100
- **Color Code:** None
- **Feature:** A *Wing* needle and a *Universal* needle with a 2.5 mm separation combined on a single shank for decorative stitching in dual rows.
- **Fabric Use:** Light or medium weight loosely woven fabrics; for heirloom sewing and decorative cutwork.

## Replace Your Needle

It's the easiest way to improve your stitch quality!

# UNIVERSAL TRIPLE NEEDLE

- **Size:** 2.5/80, 3.0/80
- **Color Code:** None
- **Feature:** Three *Universal* needles mounted on one shank create three rows of stitches simultaneously.
- **Fabric Use:** Numerous.



*Your Sewing Machine is Only  
as Good as the Needle Used!*

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

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Dealer Stamp

