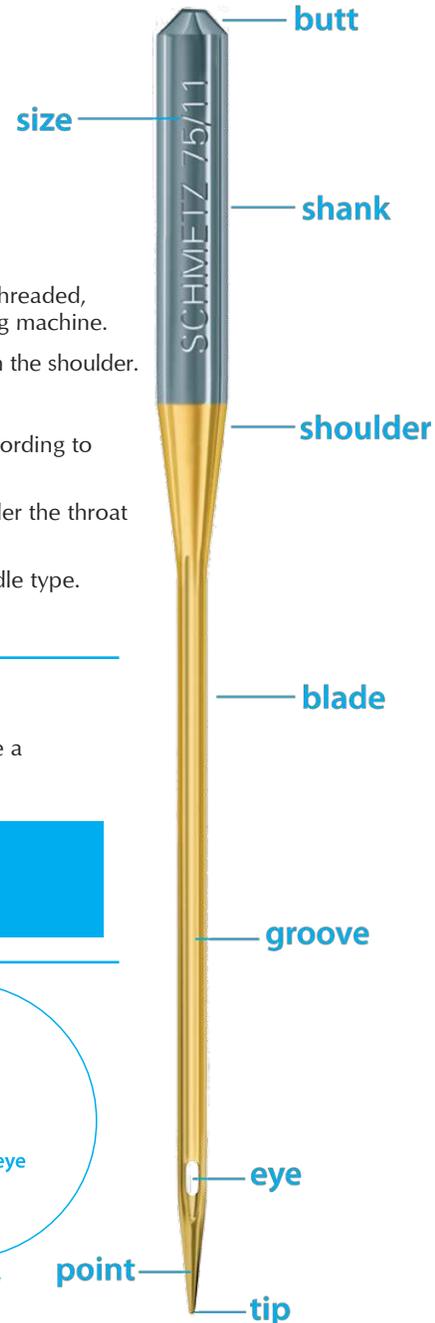




## NEEDLE GUIDE

### Needle Anatomy

- Butt:** The beveled end allows easy insertion in the needle bar.
- Shank:** Household needles have a flat shank, while commercial and industrial needles have round, threaded, notched or other special shanks. Shanks allow perfect positioning of the needle in the sewing machine.
- Shoulder:** The sloping area transitioning between the shank and blade. SCHMETZ color codes appear on the shoulder.
- Blade:** Needle size is determined by the blade diameter (i.e., size 75 is .75mm).
- Groove:** The groove cradles and guides thread to the eye. The length and size of the groove vary according to needle type.
- Scarf:** The indentation above the eye that allows the bobbin hook to smoothly grab the thread under the throat plate to create a stitch. The shape and size of the scarf vary according to needle type.
- Eye:** The hole through which thread passes. The shape and size of the eye vary according to needle type.
- Point & Tip:** Length, shape and size vary according to needle types.



### Change Your Needle

Damaged or worn needles result in:

- Broken or shredded threads
- Skipped or uneven stitches
- Puckered or damaged fabrics
- Popping sounds made by sewing machine

### Replace Your Needle

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

### Needle Selection

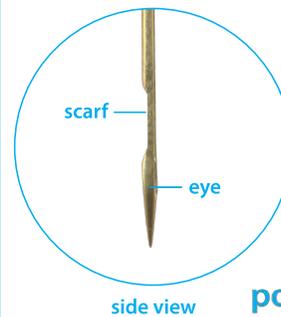
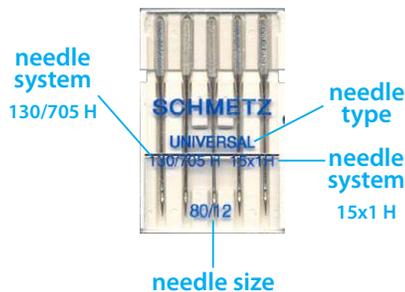
Choose needle size according to thread thickness and needle type according to fabric application.

### 130/705 H

The needle system used by home sewing machines. Needles have a flat shank and a scarf.

**SCHMETZ Works with All Sewing Machines!**

### How to Read a Needle Package



### General Purpose Needles

#### Universal

**Size:** 60/8, 65/9, 70/10, 75/11, 80/12, 90/14, 100/16, 110/18, 120/19, Assorted, Twin, Triple

**Color Code:** None

**Feature:** Slightly rounded point.

**Fabric Use:** Numerous - woven and knits.

A great general purpose needle.



#### Jersey (Ball Point)

**Size:** 70/10, 80/12, 90/14, 100/120, 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 knit fibers.



#### Stretch

**Size:** 65/9, 75/11, 90/14, 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.



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

## Specialty Needles

### Jeans

**Size:** 70/10, 80/12, 90/14, 100/16, 110/16, 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.



### Microtex (Sharp)

**Size:** 60/8, 70/10, 80/12, 90/14, 100/19, 110/18, Assorted

**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.



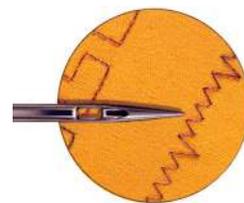
### Metallic

**Size:** 80/12, 90/14, Twin

**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.



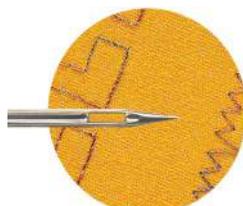
### Embroidery

**Size:** 75/11, 90/14, 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.



### Quilting

**Size:** 75/11, 90/14, 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.



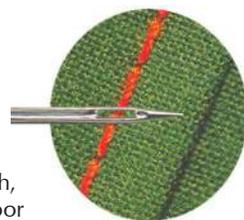
### Topstitch

**Size:** 80/12, 90/14, 100/16

**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.



### Gold Embroidery

**Size:** 75/11, 90/14

**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.



### Leather

**Size:** 70/10, 80/12, 90/14, 100/16, 110/18, Assorted

**Color Code:** None

**Feature:** Cutting point.

**Fabric Use:** Leather, artificial leather, heavy non-woven synthetics. Do not use on knit or woven fabrics.



### Quick Threading

**Size:** 80/12, 90/14

**Color Code:** None

**Feature:** Universal needle with a slip-in threading slot in the eye.

**Fabric Use:** Numerous — woven and knits. A general purpose needle for effortless threading.



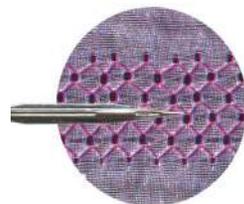
### Hemstitch

**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.



### Double Eye

**Size:** 80/12

**Color Code:** None

**Feature:** Universal needle with two eyes.

**Fabric Use:** Numerous — woven and knits. Use two different threads for shading and texturing effects for embroidery and topstitching.



## Multiple Needles



### Twin

Double needles are actually two needles mounted on one shaft used to create two rows of stitches simultaneously. Use two spools of thread and one bobbin thread.

### Universal Twin

**Sizes:** 1.6/70, 1.6/80, 2.0/80, 2.5/80, 3.0/90, 4.0/80, 4.0/90, 4.0/100, 6.0/100, 8.0/100, Assorted

### Double Hemstitch

**Size:** 2.5/100

A hemstitch needle and a universal needle with a 2.5 mm separation.

### Embroidery Twin

**Size:** 2.0/75, 3.0/75



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

### Metallic Twin

**Size:** 2.5/80, 3.0/90

### Jeans Twin

**Size:** 4.0/100

### Stretch Twin

**Size:** 2.5/75, 4.0/75

### Universal Triple

**Size:** 2.5/80, 3.0/80

