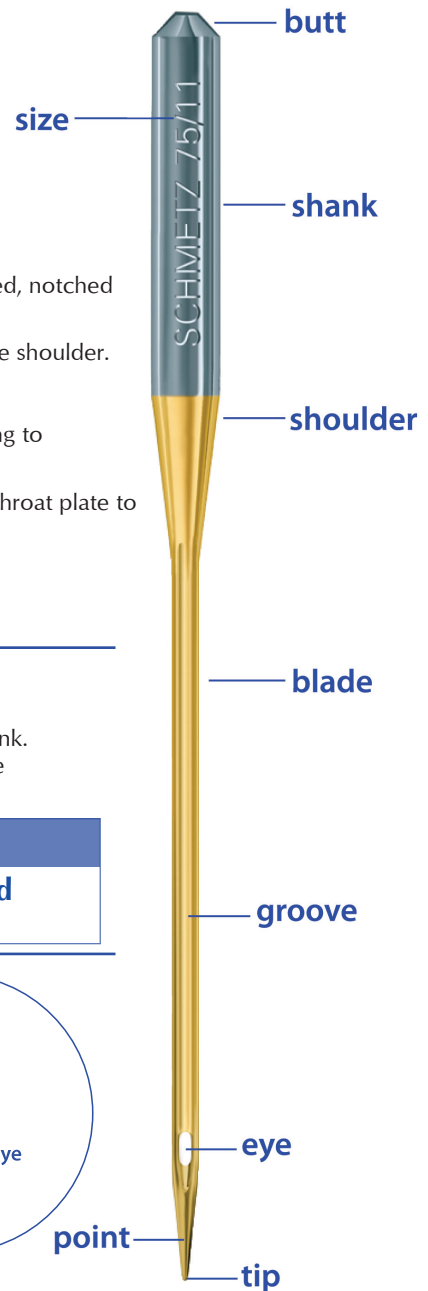




SCHMETZ

NEEDLES SINCE 1851

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 needle bar.

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

Change Your Needle

Damaged or worn needles result in:

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

Replace Your Needle

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

Needle Selection

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

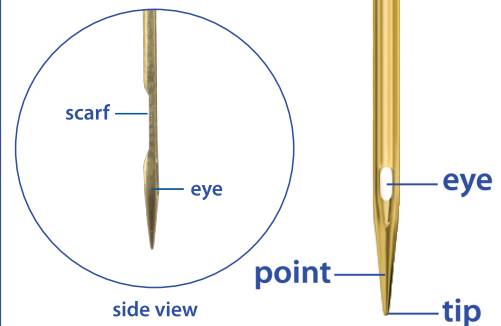
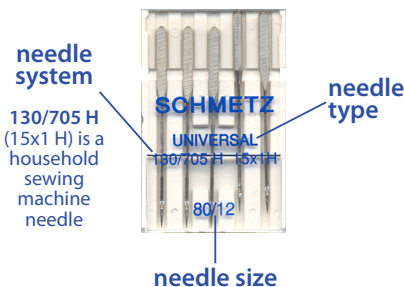
130/705 H

Household sewing machines require a needle with a flattened shank. All needles in this system have a flattened shank for perfect needle positioning in the needle bar in relation to the hook.

Schmetz Works with All Sewing Machines!

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

How to Read a Needle Package



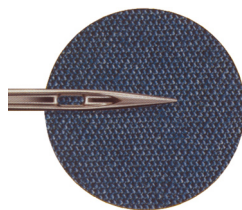
General Purpose Needles

Universal

Size: 60, 65, 70, 75, 80, 90, 100, 110, 120, Assorted, Twin, Triple.

Color Code: None
Feature: Slightly rounded point.

Fabric Use: Numerous - woven and knits. A great general purpose needle.

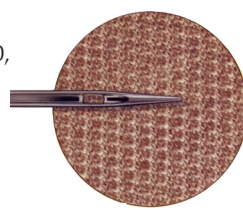


Jersey

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 knit fibers.

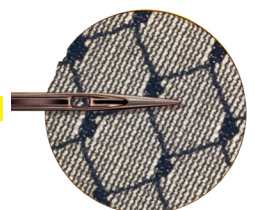


Stretch

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.



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Specialty Needles

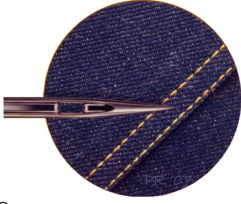
Jeans

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.



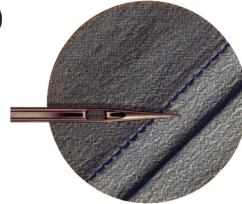
Microtex (Sharp)

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.



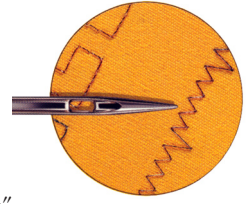
Metallic

Size: 80, 90, 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.



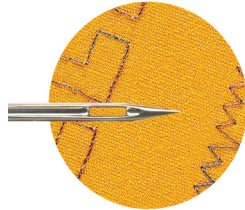
Embroidery

Size: 75, 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.



Quilting

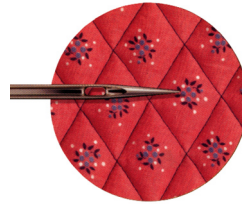
Size: 75, 90,

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.



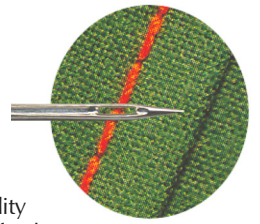
Topstitch

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.



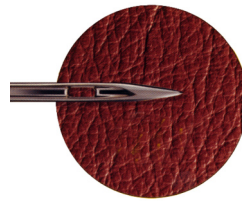
Leather

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.



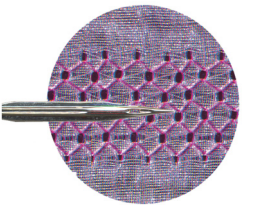
Hemstitch

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.



Gold Embroidery

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.



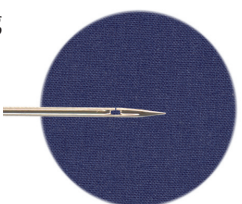
Quick Threading

Size: 80, 90

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.



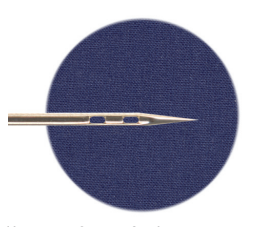
Double Eye

Size: 80

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

Metallic Twin

Size: 2.5/80

Jeans Twin

Size: 4.0/100

Stretch Twin

Size: 2.5/75, 4.0/75

Universal Triple

Size: 2.5/80, 3.0/80



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