

Sewing Machine Needles

Reference: Reader's Digest Complete Guide to Sewing (pp. 12, 25, 27), and the Klasse needle handout

1. Machine needles are selected according to the _____ of the fabric, as well as the type of _____ being used.
2. Needle sizes range from fine size _____ for _____ fabrics, to heavy, size _____ for _____ fabrics. The most commonly used sizes are _____ and _____ (called _____)
3. If needles are _____, _____ or _____ they can damage your fabric.
4. Diagram the front view of a machine needle and label the parts

5. As a rule the finer the thread and fabric weight, the _____ the needle should be (use a _____ number)
6. What happens if you have each of the following problems
 - a. Needle inserted incorrectly: _____
 - b. Needle too fine for you fabric: _____
 - c. Needle too heavy for your fabric: _____
 - d. Needle has a blunt end: _____
 - e. Needle is bent: _____
 - f. Needle is dirty: _____
7. Explain briefly what each type of needle is used for and what makes it different
 - a. Universal:
 - b. Ball Point:
 - c. Jean/ Denim:
 - d. Leather (Wedge):
 - e. Quilting:
 - f. Sharps:
 - g. Micofiber:

Different Styles of Needle depending on the machine you have

Style A

Round Shank

Babylock 605, 205, 305
 Husqilock 430, 440 Janome MA3, MA4
 Pfaff 794, 795, 796

Style B

Short, Round Shank

Brother 525 Janome 603
 Babylock 406, 407, 408
 Singer IOUJ12 Pfaff 603, 603A, 796

Style C

Ball Point / Flat Shank

Janome/ New Home 134, 134D, 234, 234D,
 203, 304, 304D, 434D, 404D, 534, 534D,
 Series II 634D
 Husqilock 540, 550, 550D, 341D



NEEDLE

The right needle size does not only relate to the thickness of the fabric - it is more important to match the weight of the thread.

THREAD

Klassé recommends Gütermann Thread for best results.

Sz 70-90 Sew All, Silk, Cotton
 Sz 100 Sew All, Jeans, Polytwist, Upholstery

Klassé recommends Esprit Machine Embroidery Thread for best results.

Size 80 Esprit Satiné Rayon
 Size 80 Esprit Satiné Metallic

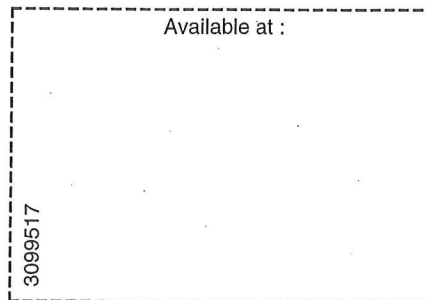
FABRIC

- 70/10 - chiffon, batiste, lace, organza, tulle
- 75/11 - knit fabrics with two way stretch
- 80/12 - silk broadcloth, faille, georgette, crepe, microfibre
- 90/14 - broadcloth, linen, percale, lightweight wool, challis, crepe, satin
- 100/16 - denim, twills, gabardine, flannel, terry-cloth, top stitching upholstery

HELPFUL HINTS

✦ **Replace Needles Often :**
 Machine needle should be replaced after a maximum sewing time of 8 hours.
 Replace needles more frequently when sewing synthetic fabric, appliques or machine embroidery. This will avoid skipped stitches, fabric pulls and frayed threads so often attributed to the machine or thread being used.

✦ **Breaking Needles :**
 Machine needles are designed to break for the protection of sewing machine hook mechanism. If a needle bends - do not sew with it. If you are breaking needles - check your needle and thread selection carefully.



MADE IN GERMANY FOR

- h. Metafil:
- i. Embroidery:
- j. Stretch:
- k. Wing:
- l. Twin:

Universal - Ideal for most woven fabrics, knits and synthetics. Klassé Universal needles have a slight ball point making this needle versatile for sewing most woven and knit fabrics. Available in sizes: 70/10, 80/12, 90/14, 100/16 & assorted sizes.



Ball Point - Ideal for cotton knits, interlock, rib knits, fleece, double knit, most knit fabrics. Ball point tip prevents the needle from piercing and breaking fibres. Available in sizes: 80/12, 90/14 & assorted sizes.



Choosing the correct sewing machine needle . . .

Jeans - Ideal for denim, canvas and other tightly woven fabrics. The sharp strong point will penetrate dense fabrics. Jean needles are excellent for top stitching woven fabrics. Available in size 100/16.



Leather - Ideal for leather and vinyl. Chisel point will penetrate difficult to sew projects. Do not use with Ultra Suede™ or textiles. Available in assorted 90/14, 100/16.



Quilting - Ideal for piecing and quilting layers of cotton fabrics with batting. Klassé's longer, sharp point penetrates layers and maintains straight stitches. Available in size 80/12.



Stretch - Ideal for knits with a two way stretch particularly those containing Lycra™, rubber used for swimwear and lingerie, also for sewing elastic. The Stretch needle has a specially designed scarf which prevents skipped stitches. Available in sizes 75/11 & assorted sizes.



Serger Needle Selection

Unlike sewing machines, sergers use different needle styles. Klassé offers three types of needles for sergers. See the following chart for needle selection based on the serger model :

Twin - Ideal for heirloom sewing and decorative top stitching. Size 2mm and 4mm indicates distance between needles. Available in size 75/11 & 80/12.



Sharps - Ideal for perfect top stitching and buttonholes. The sharp point are perfect for straight stitches. Available in sizes 80/12 & assorted sizes.



Microfibre - Ideal for silks and microfibre fabrics. Microfibre needles have a sharp point designed specially for penetrating densely woven fabrics. Available in assorted 60/9, 70/10, 80/12.



Metafil - Ideal for sewing with metallic thread on woven and knit fabrics. Klassé Metafil needles have a larger eye to accommodate metallic threads and to prevent shredding. For best results use Esprit Satiné Metallic Thread with Gütermann Sew All thread in the bobbin. Available in size 80/12.



Embroidery - Ideal for embroidering woven and knit fabrics with decorative threads. Larger eye to accommodate specialty rayon and cotton threads for machine embroidery. For best results use Esprit Satiné Rayon Embroidery Thread with Gütermann Sew All thread in the bobbin. Available in size 80/12.

