Sewing machine needle chart

Last checked 2026-11-17

Match the needle to the fabric: universal for most wovens, ballpoint for knits, 100/16 for denim. A smaller number is a finer needle.

Needle type	Sizes EU / US	Fabrics	Note
Universal	60-120 / 8-19	Woven and knit fabrics (general purpose)	Singer lists regular-point needles for woven fabrics
Jersey / Ballpoint	70-100 / 10-16	Knits and some stretch fabrics	Rounded tip made for knits
Stretch	65-90 / 9-14	Elastic materials, highly elastic knitwear	Special eye and scarf, meant to prevent skipped stitches
Microtex / Sharp	60-110 / 8-18	Microfibers, polyester, silk, foils, coated materials	Also for precision topstitching and quilt piecing
Denim / Jeans	70-110 / 10-18	Denim and similar extra thick woven fabrics	Singer pairs denim and canvas with a 16/100 jeans needle
Leather	70-110 / 10-18	Leather, artificial leather, heavy non-woven synthetics	Maker says not for knits or wovens. Singer calls its leather needle a wedge point
Quilting	75, 90 / 11, 14	Piecing and machine quilting	Tapered design to ease penetration
Embroidery	75, 90 / 11, 14	Rayon, polyester and other specialty embroidery threads	Made for delicate, fast-moving threads
Topstitch	80-100 / 12-16	Topstitch, heavy, multiple or poor quality threads	Works with a straight stitch plate for even lines

Needle type	Sizes EU / US	Fabrics	Note
Twin	Needle gap / size, e.g. 2.5/80 / -	Two parallel rows of stitching	Needs two spools. Schmetz lists Universal, Embroidery, Topstitch, Jeans and Stretch twins, e.g. Jeans Twin 4.0/100, Stretch Twin 2.5/75 and 4.0/75

EU / US size pairs as printed by Schmetz: 60/8, 65/9, 70/10, 75/11, 80/12, 90/14, 100/16, 110/18, 120/19.

Your machine manual lists the needles it accepts.

Computed or quoted from the sources below; check your pattern or manual before you cut.

Sources

Schmetz needle guide: https://schmetzneedles.com/pages/needle-guide
Singer: choosing the right machine needles: https://help.singer.com/en-US/choosing-the-right-singer-machine-needles-389061