

Sewing Machine Needle Types-Sizes-Applications

Needle Type	Needle Sizes	Description/Applications
Universal	60/8, 65/9, 70/10, 75/11, 80/12, 90/14, 100/16, 110/18, 120/19	General all-purpose needle with slightly rounded point used for wovens and some knits.
Quick Threading	75/11, 80/12, 90/14, 100/16, 110/18	Universal needle with a slip-in threading slot to make threading easier. Used on wovens and knits.
Double Eye	80/12	A Universal needle with two eyes, used on wovens and knits. Used with two threads for topstitching, shading and texturing effects and for embroidery.
Stretch	75/11, 90/14	The medium ball point, special eye and scarf are specially designed to prevent skipped stitches. For use on elastic materials and highly elastic knitwear.
Jersey	70/10, 80/12, 90/14, 100/16	Medium ball point for use on knits and stretch fabrics. Won't break or damage knit fibers.
Jeans	70/10, 80/12, 90/14, 100/16, 110/18 *Twin 4.0mm/100	Modified medium ball point with reinforced blade. For use on denim, canvas, upholstery fabrics and similar weight fabrics.
Hemstitch/ Wing	100/16, 120/19	Consists of a wing on each side of the needle, which opens the fabric fibers creating a decorative stitch. Used on zig-zag machines together with the correct throat plate and presser foot. Excellent for light or medium weight loosely woven fabrics and decorative cutwork and heirloom sewing.
Double Hemstitch	2.5mm/100	A combination Wing and Universal needle with a 2.5 mm separation on a combined shank. Used for decorative stitching in dual rows on light or medium weight loosely woven fabrics and decorative cutwork.
Leather	70/10, 80/12, 90/14, 100/16, 110/18,	Wedge shaped point with a tri-point knife edge to penetrate leather, faux leather and vinyl without ripping it.
Industrial Machine Leather	55/7, 60/8, 65/9, 70/10, 75/11, 80/12, 90/14, 100/16, 110/18, 120/19, 125/20, 130/21, 140/22, 160/23, 180/24, 200/25	Wedge shaped point with a tri-point knife edge to penetrate leather, faux leather and very heavy non-woven synthetics.

Needle Type	Needle Sizes	Description/ Applications
Metallic	80/12, 90/14 *Twin- 2.5mm/80, 3.0mm/90	Used for metallic threads it has a long elongated eye, a fine shaft, sharp point and a deep scarf in front side of needle. This needle helps eliminate skipped stitches and fraying of thread.
Microtex	60/8, 70/10, 80/12, 90/14, 100/16, 100/18	Fine needle with slim, very sharp point for silk and microfibers.
Quilting	75/11, 90/14	Tapered needle with sharp point to make sewing of multiple seams and layers easier. The acute point also helps prevent "bearding" or migration of the batting through the fabric.
Embroidery	75/11, 90/14, *Twin 3.0mm/75, 3.0mm/75	Light ball point, larger eye and deeper scarf in front side of needle to prevent skipped stitches and guards against excess friction to protect fragile threads as they are pulled through the fabric.
Embroidery Gold Needles (Titanium)	75/11, 90/14	Titanium needles have a nitride coating, a slightly rounded point and an enlarged eye. The coating resists adhesive residue on fabrics, are perfect for coarse and densely woven fabrics, as well as fabrics with fragile specialty threads.
Embroidery Spring	70/10, 75/11, 80/12, 90/14, 100/16	Needle with a spring around the needle used for free motion and embroidery on lightweight fabrics. The spring's function is to keep pressure on the fabric to keep it from stretching while embroidering.
Twin	1.6/70, 2.0/80, 2.5/75, 3.0/90, 6.0/100, 8.0/100	Two needles on a crossbar that can only be used on a zigzag machine that zigzags 6.5 mm. Perfect for sewing pin tucks, decorative seams, hems and heirloom sewing.
Stretch Twin	2.5mm/75, 4.0mm/75	Two stretch needles mounted to one shank creating 2 rows of stitches simultaneously.
Topstitch	80/12, 90/14, 100/16	Extra long eye to accommodate heavy or multiple strands of thread for topstitching. The needle's deep scarf prevents the thread from fraying while stitching.
Triple	2.5/80, 3.0/80, 4.0/100	Three needles on a crossbar so you can stitch 3 rows at once. May be used for machine embroidery and heirloom sewing. Available in size
5 HLx5 High Speed	75/11, 90/14, 100/16	Chrome plated, short, flat shank needle designed specifically for high-speed professional quilting machines (i.e. Janome 1600P Series). Can be used on jersey, denim, fake fur.
Home Serger Needles	65/9, 70/10, 75/11, 80/12, 90/14, 100/16, 110/18, 125/20	For use on home sergers only and not on domestic or industrial lockstitch machines nor embroidery machines. Sizes 65/9 & 70/10 for fine wovens & knits. Sizes 75/11-90/14 medium weight wovens and knits. Sizes 100/16 - 25/20 heavy weights & elastic materials.

Needle Type	Needle Sizes	Description/ Applications
Industrial Overlock Straight	55/7, 60/8, 65/9, 70/10, 75/11, 80/12, 85/13, 90/14, 100/16, 110/18, 120/19, 125/20, 130/21, 140/22, 160/23, 180/24	Straight overlock needles in various shank lengths and shapes. Used to finish edges and for seaming. Sizes 65/9 - 70/10 for fine wovens & knits. Sizes 75/11-100/16 medium weight wovens and knits. Sizes 110/18 – 180/24 heavy weights & elastic materials.
Industrial Overlock Curved	55/7, 60/8, 65/9, 70/10, 75/11, 80/12, 85/13, 90/14, 100/16, 110/18, 120/19, 125/20, 130/21, 140/22	Curved overlock needles in various shank lengths and shapes. Used to finish edges and for seaming. Sizes 65/9 - 70/10 for fine wovens & knits. Sizes 75/11-100/16 medium weight wovens and knits. Sizes 110/18 – 140/22 heavy weights & elastic materials.
Industrial Blindstitch	60/8, 65/9, 70/10, 75/11, 80/12, 85/13, 90/14, 100/16, 110/18, 120/19, 125/20, 130/21, 140/22	Curved blind stitch needle. The lower the number the lighter the fabric weight and the higher the number the heavier the fabric weight.

- Twin & Triple needle sizing includes the mm distance between the 2 or 3 needles and the NM needle size
ex. Twin Embroidery Needle 3.0mm/75