



## HAYES SEWING MACHINE CO

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## Machine Needle Magic

### WOVEN FABRIC

**Standard Needle (Universal) - Used for woven synthetic and natural fibers.**

60/8—Very fine needle \ sheers, chiffon, silks

70/10—Fine needle \ blouse weight polyester, silks, batistes

80/12—Most used needle \ cotton calico, rayons, blends

90/14—Mid-heavy needle \ bottom weight fabrics, wools, raw silks

100/16—Heavy needle \ denim, duck, cloth

110/18—Very heavy needle \ canvas, tapestry

120/19—WOW! Extremely heavy needle \ boat canvas, luggage

**Sharp needle—These light weight needles are great for “microfibers” and silk type fabrics.**

60/8—for extremely light weight sheers

70/10—for light weight silk and silk-type fabrics

80/12—for medium weight fabrics

90/14—for heavier peachskin polyesters

### HEAVY FABRIC

**Denim Needle—This needle has an extra fine, sharp point that pierces dense fabrics more easily. Also, the lighter sizes are used to achieve the “perfect” straight stitch. Reinforced blade.**

70/10—Fine needle \ silks

80/12—Medium needle \ cottons

90/14—Med-heavy needle \ linens

100/16—Heavy needle \ denim, canvas

110/18—Very heavy needle \ canvas, tapestry

**Leather Needle—This needle has a special cutting point that makes it great for leather, vinyl and plastics**

90/14—Mid-heavy needle \ lightweight soft leather or vinyl

100/16—Heavy needle \ mid-weight leather

110/18—Very heavy needle \ belting

**Quick Threading Needle—This self-threading needle is great for teaching kids to sew and for the “visually challenged.”**

Available in 90/14 only.

### KNIT FABRIC

**Ballpoint Needle—Used for knit fabrics**

70/10—Fine needle \ lingerie, nylon tricot, single knit

80/12—Medium needle \ T-shirt knits, interlock, sweatshirt

90/14—Heavy needle \ fake fur, some sweater knits

**Stretch Needle—This needle is a super ballpoint needle. It is used for more difficult knit fabrics. Has a special eye and scarf.**

75/11—Fine Needle \ Great for swimwear, lycra, elastics, ultrasuede

90/14—Heavy needle \ Fake fur

**Stretch Double Needle—Double needle specifically designed for knit materials**

2.5/75—narrow topstitching on knits

4.0/75—wide topstitching on knits

## DECORATIVE THREAD OR STITCHES

**Embroidery Needle**—This needle is used for use with rayon embroidery threads. It minimizes the shredding of these fragile threads.

75/11—Fine needle \ finer fabrics and finer embroidery threads

90/14—Heavier needle \ sweatshirts, towels and heavier threads

**Quilting Needle**—This needle will not pull your batting through your quilt top, eliminating “Pilling.”

Available in 75/11 and 90/14

**Metallic Needle**—This needle has an extremely large eye to prevent shredding.

80/12—Medium needle \ Cottons

90/14—Medium heavy needle \ sweatshirts, towels and heavier threads

**Super Nonstick**—Designed for use when sewing with embroidery stabilizer, temporary spray adhesive. Special anti-adhesive coating (NIT). Extra large eye, distinctive scarf, and reinforced blade prevent skipped stitches and provides a residue-free needle

70/10, 80/12, 90/14, 100/16

**Wing or Hemstitch Needle**—This needle is used for mainly decorative purposes. The “wings” punch a hole in stiffer woven fabrics such as cottons, linens and organdy.

100/16—used for light to medium weight fabrics or for smaller holes

120/19—used for heavy weight linens, makes bigger holes

DOUBLE WING 100—used for decorative hemstitching

**Topstitching Needle**—This needle is great for topstitching with heavier threads or those who want a bigger eye in their needle.

80/12—Great for creating “hand-look” blanket stitches with two embroidery threads

90/14—Good for topstitching with heavier decorative threads, particularly for machine quilting with decorative threads

100/16—Most commonly used topstitching needle, use with topstitching thread for jeans

110/18—Wow! Super heavy. Great for outdoor fabrics like canvas

**Double Needle**—This needle has two needles on one shank and has a variety of uses including topstitching, pintucking, and decorative stitch work.

1.6/80—pintucking

2.0/80—pintucking, decorative stitches

2.5/80—pintucking on linen, decorative stitching, narrow topstitching

3.0/90—pintucking on wools, topstitching

4.0/80—wide topstitching on light to medium weight fabrics

4.0/90—wide topstitching on medium weight fabrics

4.0/100—wide topstitching on denim

6.0/100—extra wide topstitching for heavy fabrics (**make sure this needle will fit down the needle plate hole in your machine**)

8.0/100—super wide topstitching for heavy fabrics (**make sure this needle will fit down the needle plate hole in your machine**)

**Triple Needle**—This needle has three needles on one shank. Its main use is for decorative topstitching

2.5/80—Narrower

3.0/80—Wider

**Titanium Embroidery Needles**—Long lasting embroidery needle helps prevent thread shredding.

**Sharp Needles**

65/9—extra fine fabrics \ fine silks, heirloom linens, lame, organdy or similar

70/10—fine fabrics \ bridal satin, silk, linen, batiste

75/11—Medium to fine weight wovens \ cottons, poly/cotton blends

80/12—Medium to heavy weight \ chambray, trigger

90/14—heavy woven \ canvas, denim

**Ball Point Embroidery Needles**

65/9—extra fine knits \ lightweight ribbing, silk knits, delicate stretch fabrics

70/10—fine knits \ light weight jersey

75/11—medium to fine weight \ pique, jersey

80/12—medium to heavy weight \ interlock knits, fleece knits

90/14—heavy weight knits \ velour knits, heavy fleece