

## -- Different Types of SCHMETZ Sewing Machine Needles --

### Ball Point Needle

Made especially for sewing on knits. Its unique point does not damage or break knitted fibers. It comes in size 10/70 through 16/100 and in an assortment pack. Choose the size that will handle the thread being used when sewing on knits.

### Denim/J Jeans Needle

Made especially for sewing through densely woven materials such as denim or imitation leather. It is both strong and sharp. Some quilters use it when sewing through many layers of fabrics, especially high thread count batiks.

This needle comes in sizes 10/70 through 18/110. Choose the size based on the type of thread being used. The heavier jeans threads work best with the larger needle.

### Embroidery Needle

For use with rayon and other specialty machine embroidery threads including polyesters. The special scarf, long smooth groove, and large eye, of this needle protect these more fragile threads and guard against excess friction.

These needles come in size 75 and 90. The beautiful sheen of these threads results in outstanding embroidery work. Check the size of the thread and use the appropriate size needle for each thread — remember the finer the thread, the smaller size needle that should be used.

### Gold Embroidery Needle

The special Titanium Nitride ceramic coating improves needle wear resistance in high stitch count applications and penetration of coarse or densely woven materials. Has a slightly rounded point for embroidery on most fabrics. The enlarged eye accommodates special application threads.

### Hemstitch Needle

Sometimes called a Wing Needle. It is used to create decorative openwork or cut-work on tightly woven fabrics.

This needle comes in sizes 100 and 120 and should be used with caution as it is very sharp and is made to actually cut the fabric. The user may want to use a stabilizer and experiment with decorative stitches when using this needle.

Carefully hand turn the needle through the stitch movements before actually trying it on the project to

### Double Eye Needle

Used for embroidery and topstitching with decorative threads to produce decorative seams. They have two (2) eyes, one right above the other. Two different threads can be used for shading and texturing effects. These needles work in machines that use the 130/705H system needles.

### Double Needle (Twin Needle)

Comes in a variety of needle types and sizes. Double needles are actually two needles mounted on one shaft and are used to create two rows of stitches at the same time.

When using a double needle two spools of thread will be used in the top of the machine. Pass the thread from each one on a different side of the tension discs and thread one into each needle. Only one bobbin thread will be used and the stitches will create a double "web" of stitches on the back of the work. Check to see how you like this under stitching prior to using these needles.

The following **SCHMETZ Double Needles** are available:

- Double Universal
- Denim, Hemstitch
- Machine Embroidery
- Metallic *and*
- Stretch style needles.

Choose the type that is right for your fabric as you would with any of the needles above. The package of needles will show two numbers. One is the needle size; the other is the distance between the two needles. This distance varies from 2.0 mm to 6.0 mm. **Remember that the needles must fit through the hole in the stitch plate**, so if you have been using a straight stitch plate you must change it to a zig-zag stitch plate to avoid hitting the plate with the needles! This could be a disappointing and expensive mistake!

### Leather Needle

Has a slightly sharp cutting point for leather and other heavy non-woven synthetics including imitation leather. It comes in size 8/60 through 18/110 and in an assortment package. Choose the size based on the type and size of thread being used.

### Microtex Sharp

A very slim needle with a thin shaft that helps make very straight stitches. It was developed for the modern micro- fibers and polyesters and high thread count,

assure that the throat plate opening will accommodate the design! Using a straight stitch plate will probably result in a broken needle.

### **Metallic Needle**

A "must have" for sewing with metallic and other specialty threads. It comes in sizes 80 and 90. The elongated eye prevents shredding and breaking of metallic threads.

If your customers have struggled with metallics before and blamed the thread, have them try again with this specialty needle for trouble free embellishment with these beautiful but sometime fragile threads.

### **Quilting Needle**

Made especially for piecing and machine quilting. The thin tapered design of these needles allows them to pass through many layers smoothly to help eliminate skipped stitches and keep stitches even.

These needles come in size 75 which is fine for piecing with 50 weight threads or size 90 which works well with heavier plain or variegated 40 weight threads for quilting. This needle is also sold in an assortment pack containing both sizes 75 and 90.

### **Stretch Needle**

Made especially for synthetic suede or highly elastic synthetic knit wear. This needle is constructed with a medium ball point to help prevent skipped stitches. It comes in sizes 11/75 and 14/90. Choose the size based on the type and size of thread being used.

### **Topstitch Needle**

Has an extra large eye and large grooves to accommodate topstitch thread. This needle helps stitch perfectly straight lines and even stitches.

It comes in sizes 10/70, 12/80 and 14/90 and 16/100. It is helpful to use a straight stitch plate if you are expecting perfectly straight top stitching results. Choose the size based on the type and size of thread being used.

high quality fabrics used today. The point is very sharp — thus the name — but because of this it is a bit more fragile and needs to be changed more regularly.

This is a great needle for piecing high thread count fabrics like Batiks, silks, and microfibers. It is also used for beautiful topstitching or edge stitching. It comes in sizes 60, 70, 80, and 90.

### **Self-Threading Needle**

A general purpose needle with a slip-in threading slot for people who have difficulty threading needles. These needles are helpful for children, those with vision problems, or those having difficulties with fine motor coordination resulting from arthritis or other conditions.

They come in sizes 12/80 and 14/90. Due to the limited types and sizes available it may be preferable to use a needle threader which is purchased separately or built into the machine to accomplish a full range of sewing techniques.

### **Triple Needle**

Triple needles are actually three needles mounted on one shaft and are used to create three rows of decorative stitching at the same time.

### **Universal Needle**

A general purpose needle that can be used on knit or woven fabrics. A casual sewer who might repair a pair of jeans today, a child's t-shirt tomorrow, and some lingerie next month will probably use this needle most often. It will do a number of tasks sufficiently.

It has a long scarf that is great for zigzag stitching and it does not damage knits. It is sharp enough to go through a lot of fabrics but it does have a slight ball point which does not make it ideal for going through many layers or high thread count fabrics.

This needle comes in a wide range of sizes from size 60 to size 120.