

## Needle Anatomy

(Front)

### SHANK

The upper end of the needle which is inserted into the machine and is held in place by the needle bar or set screw. Janome needles (with the exception of the industrial DB) all have a flat back shank to insure perfect positioning.

### SHAFT

The body of the needle below the shank. The thickness of the shaft determines the needle size. The larger the needle size number, the larger the shaft.

### FRONT GROOVE

Located on the round side of the shaft, this groove runs down the length of the shaft to cradle the thread. It acts as the last thread guide before the thread enters the eye of the needle.

### EYE

The hole in the end of the needle through which the thread passes. The eye carries the top thread into the bobbin case for stitch formation. The size of the eye varies with each needle size to accommodate different thread thicknesses.

### POINT

The tip of the needle where the fabric is first penetrated. The shape of the point varies among different needle types.

(Back)

### SCARF

The short indentation just above the eye of the needle on the flat side of the shaft. It allows the hook on the bobbin case to get close to the eye of the needle so it can catch the thread loop and form the stitch. A longer and deeper scarf will help eliminate skipped stitches by allowing the bobbin hook more time to latch the thread by creating a larger loop. Ball point needles designed to sew on stretch fabrics are designed with a deeper scarf.



## Go-To Needles

### BLUE TIP NEEDLE

**Designed specifically for Janome machines.**

The Blue Tip Needle, a Janome exclusive, is a size #11 and is our best "all purpose" needle for both machine embroidery and general sewing on most types of fabrics. This needle features an oversized eye to accommodate embroidery threads. It reduces stress and tension on the top thread and makes threading easier.



### PURPLE TIP NEEDLE

**The perfect needle for free-motion quilting.**

The Purple Tip Needle is a size #14 flanged needle (shaped like a snake head) that is specifically designed to help prevent "eyelashing" on the back of your quilt. Its ball point is also perfect for heavyweight knits and dense embroidery designs.



### RED TIP NEEDLE

**Designed specifically for your Janome machine and denser embroidery.**

Created in the same style as the classic Blue Tip needle, the exclusive Janome Red Tip Needle provides the extra strength and durability needed for denser embroidery and thicker fabrics. This size #14 needle has a larger eye which helps prevent thread breakage when working with tricky threads, especially metallics.



### BALL POINT NEEDLE

**Especially for stretch and elastic materials and tightly woven knits.**

The tip of this needle has a light ball point to separate the fibers rather than cutting, reducing needle holes in the fabric. The bulged eye opens a slightly larger space in the material and the thinner blade reduces contact between the needle and the fabric, resulting in less needle heat up and skipped stitches.



### DENIM NEEDLE

**Perfect for heavyweight fabrics.**

Use a Denim Needle when sewing denim, canvas, duck, and other heavy, tightly woven fabrics. Because of its robust shaft, slender eye, and a sharp point, the Denim Needle can sew through multiple layers of fabric without breaking. This needle has a large eye that can accommodate thicker threads that are required when working with heavy fabrics.



### LEATHER NEEDLE

**Used for genuine and faux leather sewing.**

The Leather Needle is designed to sew through suede, vinyl, faux suede, and leather as well as other thick, non-woven fabrics. It has a wedge-shaped point for superior piercing power, creating a clean large hole in the fabric. Do not use this needle on woven or knit fabrics, as the hole will be too large.



### SERGER NEEDLE

**Designed for use with all Janome sergers.**

This combination pack includes size #11 and #14 serger needles. Like sewing machine needles, use the smaller, size #11 for finer fabrics and techniques that require a finer finish. The size #14 needle is required for thicker fabrics, such as denim, terry cloth and other similar substrates.



### TOP STITCH NEEDLE

**Specially designed to accommodate heavier threads for decorative stitching.**

The Top Stitch Needle has an extra-large eye and a large groove to accommodate heavy top-stitching thread. The point is extra sharp for straight, accurate stitching. The needle size should be chosen based on the weight of the fabric.



### UNIVERSAL NEEDLE

**General purpose sewing machine needle.**

The point on a Universal Needle is slightly rounded and quite sharp. It's perfect for general sewing on most knits and woven fabrics. Universal needles come in the largest variety of sizes with a flat shank and regular size eye.

# JANOME

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