

CHOOSING THE CORRECT NEEDLE Easy as 1, 2,3.

1. Needle Type

Choose the most suitable needle type for the fabric and sewing application by referring to the comprehensive chart in this booklet. For machine embroidery using Rayon or Metallic threads, it is important to use a Metalfil needle, otherwise stripping or breaking may occur. A Stretch needle is often a problem solving needle, and a Sharp needle will always sew the straightest stitch.

2. Thread

Choose the most suitable thread by referring to information available from the thread companies and other guides. Always choose a good quality thread for best results.

3. Needle Size

After selecting the needle and thread type, the final consideration is the needle size. To choose the correct needle size, refer to the 'Klasse' Needle Chart. A size 80 or 90 is a normal size needle for most applications, however if a finer needle such as a size 70 or 60 is selected, it is also necessary to use a finer weight thread.

HELPFUL HINTS

Replace Needles

Machine needles should be replaced after a maximum sewing time of 8 hours. Replace needles more frequently when sewing synthetic fabric, appliques or machine embroidery. This will avoid skipped stitches, fabric pulls and frayed threads.

Breaking Needles

Machine needles are designed to break for the protection of the sewing machine hook mechanism. If a needle bends - do not sew with it. When a machine needle breaks, it is a warning to check the following:

- The needle type and size is correct
- Is the thread too thick or unsuitable for the needle size and application?
- Is the upper thread feeding freely?
- Are the thread tensions set too tight?
- Does the machine need cleaning?
- Is the correct presser foot fitted?
- Is the correct sewing technique being used?
- Is the fabric being pulled, pushed or dragged during sewing?
- Twin needles usually break due to excessive heat build up. Reduce speeds and avoid prolonged useage.

Klasse' Needles are Made in Germany.
Exclusive International Sales Agents:
HTL Limited, Hong Kong.
Fax No. 852 2329 5911



Klasse'... "sew much better..."

Choosing the Correct Needle

Klasse'
SEWING MACHINE NEEDLES

The Complete Story

Klasse'
125 Years of German Experience

Universal - Ideal for most woven fabrics, knits and synthetics. Klasse' Universal needles have a slight ball point making this needle versatile for sewing most fabrics.
Available in sizes: 70/10, 80/12, 90/14, 100/16, 110/18, 120/20 and assorted fine, heavy and regular mixes.

Ball Point - Ideal for cotton knits, interlock, rib knits, fleece, double knit, and most knit fabrics. The ball point tip prevents the needle from piercing and breaking fibres.
Available in sizes: 70/10 80/12, 90/14 & assorted mix.

Jeans - Ideal for denim, canvas and other tightly woven fabrics. The sharp strong point will penetrate dense fabrics. Jeans needles are excellent for top-stitching woven fabrics.
Available in size 90/14 & assorted mix.

Leather - Ideal for genuine leather. The chisel point will penetrate difficult to sew projects. Do not use with Ultra Suede™ or textiles.
Available in 90/14, 100/16 & assorted mix

Quilting - Ideal for piercing and quilting layers of cotton fabrics with batting. Klasse's longer, sharper point penetrates layers and maintains straight stitches.
Available in size 80/12.

Stretch - Ideal for knits with a two way stretch particularly those containing Lycra™ rubber used for swimwear and lingerie, and for sewing elastic. The stretch needle has a specially designed scarf which prevents skipped stitches.
Available in sizes 75/11, 90/14 & assorted mix.

Sharps/Microfibre - Ideal for silks, microfibre fabrics and penetrating densely woven fabrics. The sharp point is designed for perfect straight stitching in top-stitching and button-holes.
Available in sizes 60/9, 70/10, 80/12 and assorted mix.

Metalfil/Embroidery - Ideal for sewing and embroidering with rayon and metallic threads on woven or knit fabrics. The larger eye accommodates these specialty threads, and is also excellent for restricted eyesight as it is easier to thread.
Available in size 80/12.

Twin - Ideal for heirloom sewing and decorative top stitching.
Size 2mm, 2.5mm, 3mm and 4mm indicates distance between needles.
Available in universal, ballpoint, stretch & metalfil types.

NB. Twin needles are fixed in a nylon block and as such should be used at slower speeds and not for prolonged periods.

Overlocker/Serger Needle Selection

Unlike sewing machines, overlockers use different needle styles. Klasse' offers six types of needle for overlockers. See the following for selection based on your overlocker model.

Type A

Suits Baby Lock 605, 205, 305, Family Lock 750, 755, Huskylock 430, 440, Janome MA3, MA4 (Mammy Lock), Pfaff 794, 795, Right Needle 796, Singer 2053, 10UJ13, 14U12, 14U13, 14U14, 14U22, 14U23, 14U52.

Type B

Suits Artisan Lock 350, Brother 525, Janome 603, 603A, Baby Lock 406, 407, 408, Singer 10UJ12, Pinnock 1, 2, Pfaff 603, 603A, 793.

Type E

Suits All Globe Lock, Huskylock 540, 550, 550D, 341D, Baby lock BLE-1, BLE-1SX. All Janome 200 & 300 series, 434D, 534D, 634D.

Type F

Suits all Brother 500 series, Huskylock 430, 435, 535, 535D.

Type G

Suits all Brother 700 & 900 series, Huskylock 3003, 3403, 560, 580, 460 & 100. Pfaff 783, 784, 786, 797, All Elna L & Pro series, all Bernette (except 203 & 204), Pinnock 1050, all Juki and Toyota.

Type K

Suits Singer Overlockers 14U32, 14U34, 14U234, 14U85, 14U285, 14U454B & Pfaff Hobbylock.

NOTE: In some countries makes and models may vary.