

**ZWEIGART**<sup>®</sup>

MADE IN GERMANY

# CANVASES

An explanatory guide on the  
unique ZWEIGART<sup>®</sup> canvas range



# MADE IN GERMANY

Our trademark is the "Orange Line". The orange thread is woven into the edge of all the ZWEIGART® fabrics and means: Top-quality production. A unique range of fabrics, easy-care and woven with absolute precision: that is ZWEIGART® Made in Germany.



**ZWEIGART & SAWITZKI  
GmbH & Co. KG**  
Fronäckerstraße 50  
71063 Sindelfingen  
Germany

Tel + 49 (0) 7031 795 - 5  
Fax + 49 (0) 7031 795 - 410  
sales@zweigart.de  
www.zweigart.com

Photos & Layout: Simone Pfeffer

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# THE HISTORY OF CANVASES

## THE USE OF CANVASES – THEN AND NOW

One of the oldest embroidery techniques, widespread since centuries throughout the world, including Asia, Southern Europe, France and England, is known as the "tapestry technique." Tapestry in vivid patterns was often used to cover chairs and sofas, or for large wall hangings, purses and other useful items. Today, many of these gorgeous works can be admired in museums.

A characteristic feature of tapestry is that it is embroidered on canvas. In the process, the canvas is completely covered by embroidery stitches, meaning that both the motif and the background are embroidered on. One can choose a single form of embroidery to do so, but multiple types of embroidery can also be used. This depends on whether one wants to create a regular or irregular texture.

*Tapestry has been embroidered on canvas for many centuries, fully covered so that the texture of the canvas is no longer visible.*

There are two reasons why tapestry is embroidered on canvas and not on normal, countable fabric: For one thing, canvas is much less expensive than other countable needlework fabrics and for another, it is a very firm mesh thanks to its thick finish. With canvas, the mesh

threads are very far apart in comparison with other fabrics and cannot be shifted. This has the benefit that the fabric will not contract when being embroidered on.

Tapestry is a counted technique, which is why the motifs to be embroidered are counted on the canvas. There are many patterns available on the market: the canvases are usually pre-printed with the pattern and only have to be embroidered over. However, there are also canvases on the market which are already traced out, meaning the motif or parts thereof have already been pre-stretched with the necessary threads, making them easier to embroider and giving opulent results.

The tapestry technique is still used on canvases today. Many modern as well as traditional patterns and motifs can be found in the most diverse of countries and cultures today. Other classic canvas techniques like latch hook are also widespread. More recent techniques, such as working the canvas



Cushions / tapestry · ©Elizabeth Bradley

into pom-pom rugs or the use of "waste canvas," can also be found with artists, designers or do-it-yourselfers all over the world.

*Nowadays, traditional tapestry is often supplemented by many other modern techniques.*

# WHAT ARE CANVASES?

## PROPERTIES & SPECIAL FEATURES

Canvases are open fabric meshes usually made of cotton. They form a woven basis for many embroidery and latch hook techniques. Canvas is usually covered with embroidery over its entire area. High-quality canvas makes it easier to embroider and makes the embroidery last longer – attention should always be paid to this when purchasing.

Canvas comes in different thicknesses: The number behind the slash after the item number indicates the numbers of stitches per 10 cm. Fine canvases with 26 to 70 stitches per 10 cm (6- 18 ct.) are for cross-stitch, needlepoint, satin stitch and other stitches for counted embroidery; while coarse

canvases with 13 to 20 stitches per 10 cm (3 - 5 ct.) are for cross-stitch, satin stitch and latch hook. Canvas thickness, embroidery or latch hook threads as well as needle or latch hook must match the technique in question, so it is always a good idea to make a sample.

*The special thing about all ZWEIGART® canvases: they are woven absolutely straight & square – a guarantee for best results.*

A special finish lends the fabric a firmness which makes it easier to embroider. Canvases from ZWEIGART® are woven from sturdy, evenly rounded multiple threads, heavily finished and feature a square and stitch-precise surface. All canvases are 100% made at the company's headquarters in Sindelfingen, Germany.

## A BRIEF OVERVIEW OF CANVAS BINDINGS

There are three different kinds of canvas bindings. Each one has different properties and works especially well with specific embroidery or the latch hook techniques. These three bindings include mono canvas on one hand, and "twist canvas" as well as the double-threaded canvases on the other.

The canvas which is used depends on various factors, such as the embroidery technique or material used. Our canvases are often printed on by partners with a wide variety of motifs as a basic design for the embroidery. For exact prints on canvases a straight and square quality is essential.

**Mono canvas** is a single-threaded canvas. It is plain-woven, meaning that the vertical warp and horizontal weft move up and down and cross at the same distance – all openings between the threads are woven checkers. The mesh threads are stiffened with a finish in order to stay in shape.

**Double-threaded canvases** are also plain-woven, except the spaces between the mesh threads are not equal. Instead, it has two threads packed close together, forming a stable woven checker made up of two warp and two weft threads. With double-threaded canvas, the fineness is not indicated with the number of mesh threads, but with the number of woven checkers. The opening or puncture site between the woven checkers is large and simplifies counting and embroidering. It is a classic cloth for tapestry such as Gobelin embroidery. On double-threaded canvas, particularly fine pattern fields such as faces can only be embroidered using a single weaving thread, even with split or thinner thread, which means there isn't just one stitch for patterning at these places, but four.

**Twist canvas** is a special fabric in which two warp threads each turn around weft threads. It resembles the single-stranded canvas, but here the threads can not be moved due to the interlock/twist weave and result in a high surface stability.

## CARE INSTRUCTIONS

If necessary canvases should only be carefully washed by hand / Dry cleaned after the embroidery is finished. The rigid finish of the canvases will be lost when in contact with water – thus becoming much softer. Therefore the canvases are only to be washed after the embroidery is done. However when washing and ironing, care instructions of all embroidery materials – especially yarns – need to be taken into consideration. The canvas can be pulled back into a rectangular shape afterwards.

## CHARACTERISTICS OF ZWEIGART® CANVASES:

- woven absolutely straight & square
- given a rigid finish
- suitable for many different embroidery techniques
- 100 % Made in Germany
- wide assortment of counts and widths



# AN OVERVIEW OF ALL CANVASES

## 500 STRAMIN

2,6 · 3,0 · 3,4 · 3,8 · 4,0 · 4,4 · 4,8 · 5,2 · 5,6 · 6,0 · 7,0 / cm - 6 · 7 · 8 · 9 · 10 · 11 · 12 · 13 · 14 · 15 · 18 ct.  
100 % CO | 60 cm · 24"

Canvas 500 is a very open, light meshwork fabric which retains its rigidity thanks to its stiff finish. It gives large-area embroidery the stability it needs. It also makes it easier for beginners to learn decorative embroidery techniques.

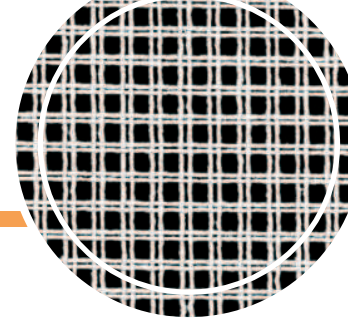
Canvas 500 is a **double-thread canvas** in white. It comes in eleven different fabric counts. Adjacent pairs of mesh threads result in a single stitch. The wide range of counts mean that there is the right canvas for virtually any embroidery thread. This quality is the most widely used embroidery canvas.

## USE & TECHNIQUES

Normally, this canvas is completely embroidered over in different techniques for pictures, cushions or similar. However, canvas 500 is also used as "waste canvas." This term is used because the individual threads of the canvas are given a special finish which dissolves in water. If the canvas is dampened with water, then the individual threads of the canvas will separate from one another and can be pulled out leaving only the embroidery. For that reason, the canvas can be used as an aid, especially when embroidering non-countable fabrics in cross-stitch. Further explanations on this technique can be found under the section "Further techniques – waste canvas."

## YARNS & NEEDLES

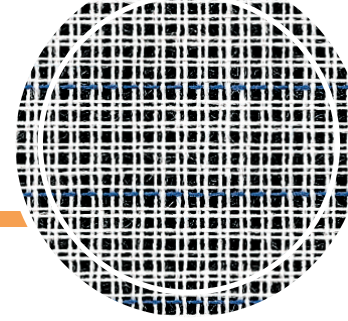
These specifications are just rough reference values. For vivid and dark embroidery thread colours,



the canvas should be selected one number tighter, so that the thread covers it well. A coarser canvas can also be selected for a more transparent effect. In general, it is always recommended to test the yarn with a small sample on the canvas. With remaining threads of similar thickness, you can achieve additional effects, for instance by combining smooth, shiny or fluffy threads like patchwork to form a pattern-material mix.

Stitches	Suggested threads	Needles	Techniques
500 / 26 6 ct.	Sudan wool Merino wool needle strength 4,5 - 5	No 16	Gobelin stitch = half-stitch
500 / 26 6 ct.	Merino wool needle strength 7 - 8	No 16	Cross stitch
500 / 30, 34 7, 8 ct.	Tapestry wool Merino wool needle strength 7 - 8	No 18	Gobelin stitch = half-stitch
500 / 30, 34 7, 8 ct.	Matt embroidery yarn Merino wool needle strength 5 Cotton yarn mercerized Needle strength 2,5 - 3,5 34 – Mercerized yarn 5 34 – Embroidery thread 6 threads	No 18	Cross stitch
500 / 38, 40 9, 10 ct.	Tapestry wool Matt embroidery yarn Merino wool needle strength 5 Cotton yarn mercerized Needle strength 2,5 - 3,5	No 18	Gobelin stitch = half-stitch
500 / 38, 40 9, 10 ct.	Mercerized yarn 5 Merino wool needle strength 2,5 - 3 Embroidery thread 4 threads	No 18	Cross stitch
500 / 44, 48 11, 12 ct.	Matt embroidery yarn 44 – Tapestry wool 44 – Cotton yarn mercerized Needle strength 2,5 - 3,5 48 – Embroidery thread 6 threads	No 20	Gobelin stitch = half-stitch
500 / 44, 48 11, 12 ct.	Merino wool needle strength 2,5 - 3 Mercerized yarn 5 44 – Embroidery thread 4 threads 48 – Embroidery thread 3 or 4 threads	No 20	Cross stitch





## 510 STRAMIN

5,6 / cm - 14 ct. | 100 % CO | 68 cm · 27"

500 / 52, 56 13, 14 ct.	Mercerized yarn 5 Embroidery thread 6 threads	No 20	Gobelin stitch = half-stitch
500 / 52, 56 13, 14 ct.	Mercerized yarn 8 52 – Embroidery thread 3 threads 56 – Embroidery thread 2 or 3 threads	No 20	Cross stitch
500 / 60 15 ct.	Mercerized yarn 5 Embroidery thread 6 threads Embroidery thread 4 threads	No 22	Gobelin stitch = half-stitch
500 / 60 15 ct.	Mercerized yarn 8 Embroidery thread 2 threads	No 22	Cross stitch
500 / 70 18 ct.	Mercerized yarn 8 Embroidery thread 3 threads	No 22	Gobelin stitch = half-stitch
500 / 70 18 ct.	Mercerized yarn 8 Embroidery thread 2 threads	No 22	Cross stitch



Stramin 510/56 · Waste Canvas / Cross stitch · embroidery thread

The fabric of this canvas is marked with blue stripes at intervals of 5 stitches, which works as a counting aid, making it much easier to count out the lay out motifs. Canvas 510 is a very open, light meshwork fabric which retains its rigidity thanks to its stiff finish. It gives large-area embroidery the stability it needs. It also makes it easier for beginners to learn decorative embroidery techniques.

Canvas 510 is a **double-thread canvas** in white with blue lines. Adjacent pairs of mesh threads result in a single stitch. The blue thread woven in as a counting pattern makes it easier to cut to size with absolute precision, so that the fabric is easier to apply to the base at the right angle.

## USE & TECHNIQUES

"Waste canvas" is another term which is used for canvas 510. This term is used because the individual threads of the canvas are given a special finish which dissolves in water. So if the canvas is dampened with water, then the individual threads of the canvas will separate from one another and can be pulled out leaving only the embroidery. For that reason, the canvas can be used as an aid, especially when embroidering non-countable fabrics in cross-stitch.

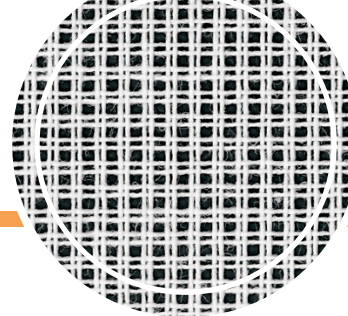
Further explanations on this technique can be found under "Further techniques – waste canvas." However, the canvas can also be fully embroidered as in needlepoint for pictures, cushions or similar.

## YARNS & NEEDLES

These specifications are just rough reference values. For vivid and dark embroidery thread colours, the canvas should be selected one number tighter, so that the thread covers it well. A coarser canvas can also be selected for a more transparent effect. In general, it is always a recommended idea to test the yarn with a small sample on the canvas.

Stitches	Suggested threads	Needles	Techniques
510 / 56 14 ct.	Mercerized yarn 5 Embroidery thread 6 threads	No 20	Gobelin stitch = half-stitch
510 / 56 14 ct.	Mercerized yarn 8 Embroidery thread 2 threads	No 20	Cross stitch





## 504 STRAMIN

4,0 · 4,4 / cm - 10 · 11 ct. | 100 % CO | 60 cm · 24"

Canvas 504 is a very open, light meshwork fabric which retains its rigidity thanks to its stiff finish. It gives large-area embroidery the stability it needs. It also makes it easier for beginners to learn decorative stitching techniques.

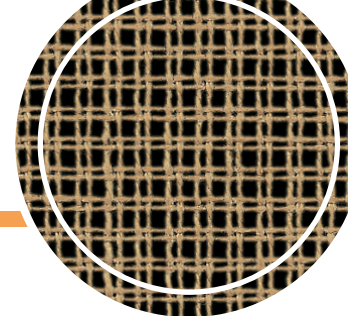
Canvas 504 is a **double-thread canvas** in white. Adjacent pairs of mesh threads result in a single stitch. More material is used in this canvas, making it a bit more opulent than 500 canvas.

### USE & TECHNIQUES

Canvas 504 is usually used for cross-stitch or half-stitch. This canvas is also often painted or printed on by partners.

### YARNS & NEEDLES

Stitches	Suggested threads	Needles	Techniques
504 / 40 10 ct.	Tapestry wool Matt embroidery yarn Merino wool needle strength 5 Cotton yarn mercerized needle strength 2,5 - 3,5	No 18	Gobelin stitch = half-stitch
504 / 40 10 ct.	Mercerized yarn 5 Merino wool needle strength 2,5 - 3 Embroidery thread 5 threads	No 18	Cross stitch
504 / 44 11 ct.	Tapestry wool Matt embroidery yarn Merino wool needle strength 5 Cotton yarn mercerized needle strength 2,5 - 3,5	No 20	Gobelin stitch = half-stitch
504 / 44 11 ct.	Mercerized yarn 5 Merino wool needle strength 2,5 - 3 Embroidery thread 4 threads	No 20	Cross stitch



## 505 STRAMIN

4,0 / cm - 10 ct. | 100 % CO | 60 cm · 24"

Canvas 505 is a very open, light meshwork fabric which retains its rigidity thanks to its stiff finish. It gives large-area embroidery the stability it needs. It also makes it easier for beginners to learn decorative stitching techniques.

Canvas 505 is a **double-thread canvas** in brown. Adjacent pairs of mesh threads result in a single stitch. This canvas is essentially the same as 504, but in an attractive antique colour.

### USE & TECHNIQUES

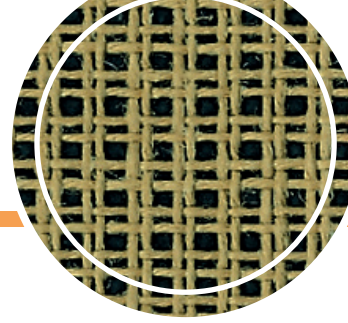
The neutral shade of brown makes an ideal background for dark or colourful needlepoint, since it will not shine through in white, even if fine embroidery thread is used. Needlepoint, cross-stitch or half-stitch are most often used on this canvas.

### YARNS & NEEDLES

These specifications are just rough reference values which may vary depending on the embroidery thread used. In general, it is always a recommended idea to test the yarn with a small sample on the canvas.

Stitches	Suggested threads	Needles	Techniques
505 / 40 10 ct.	Tapestry wool Matt embroidery yarn Merino wool needle strength 5 Cotton yarn mercerized needle strength 2,5 - 3,5	No 18	Gobelin stitch = half-stitch
505 / 40 10 ct.	Mercerized yarn 5 Merino wool needle strength 2,5 - 3 Embroidery thread 5 threads	No 18	Cross stitch





## 1231 PENELOPE CANEVAS

3,9 / cm - 10 ct. | 100 % CO | 60 cm · 24" - 90 cm · 36"

Penelope is the classic tapestry canvas in antique brown. It is made of quadruple-polished threads, and thus of the finest quality.

Penelope is a **double-thread canvas** in brown. Adjacent pairs of mesh threads result in a single stitch. Fine pattern parts can also be embroidered with just a single weaving thread.

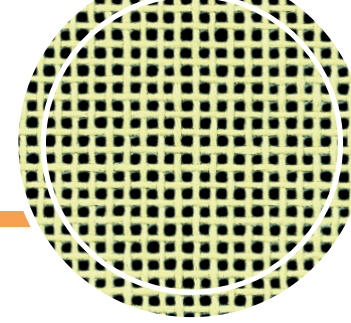
### USE & TECHNIQUES

Penelope canvas is especially recommended for high-grade tapestries, furniture covers, purses and many other useful items, and is embroidered with cross- and half-stitches.

### YARNS & NEEDLES

These specifications are just rough reference values which may vary depending on the embroidery thread used. In general, it is always a recommended idea to test the yarn with a small sample on the canvas.

Stitches	Suggested threads	Needles	Techniques
1231 / 39 10 ct.	Tapestry wool Matt embroidery yarn Merino wool needle strength 5 Cotton yarn mercerized needle strength 2,5 - 3,5	No 20	Gobelin stitch = half-stitch
1231 / 39 10 ct.	Mercerized yarn 5 Merino wool needle strength 2,5 - 3 Embroidery thread 4 threads	No 20	Cross stitch



## 1010 CAMILLA

6,8 / cm - 17 ct. | 100 % CO | 60 cm · 24"

Camilla is a mono canvas – a fine **single-threaded canvas** in yellow. It is plain-woven, meaning that the vertical warp and horizontal weft move up and down and cross at the same distance – all openings between the threads are woven checkers. The canvas is stiffened by a rigid finish and thus maintains its shape.

### USE & TECHNIQUES

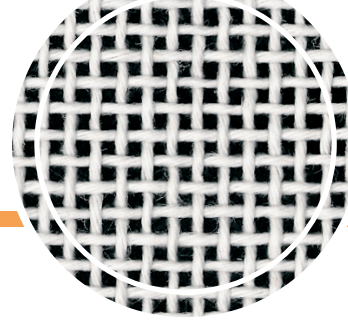
This fabric is often used as a training material for people's first tries at embroidery. It is suitable for petit point with embroidery thread or for long-stitch/satin stitch with mercerized yarn.

### YARNS & NEEDLES

These specifications are just rough reference values which may vary depending on the embroidery thread used. In general, it is always a recommended idea to test the yarn with a small sample on the canvas.

Stitches	Suggested threads	Needles	Techniques
1010 / 2 6,8 stitches/cm 17 ct.	Mercerized yarn 5 Embroidery thread 6 threads Merino wool needle strength 2,5 - 3 Cotton yarn mercerized Needle strength 2,5 - 3,5	No 22	Satin stitch/Longstitch Straight stitch
1010 / 2 6,8 stitches/cm 17 ct.	Mercerized yarn 5 Mercerized yarn 8 Embroidery thread 3-, 4-, 5 threads	No 22	Petit Point/Gobelin stitch
1010 / 2 6,8 stitches/cm 17 ct.	Mercerized yarn 5 Embroidery thread 4 threads Merino wool needle strength 2,5 - 3	No 22	Cross stitch over 2 fabric threads





## 9281 ROYAL CANVAS

4,0 · 4,6 · 5,2 · 5,6 · 6,0 · 7,0 / cm - 10 · 12 · 13 · 14 · 15 · 18 ct. | 100 % CO | 100 cm · 40" - 137 cm · 54"

Royal is a mono canvas: an extremely high-grade, **single-threaded canvas** in white, made in plain weave. This canvas is primarily distinguished by its heavy quality. It is made up of repeatedly polished threads and thus gets a smoother surface. This item is available in a big choice of counts.

## USE & TECHNIQUES

This canvas is suitable for long-stitch, satin stitch and various other surface-filling types of embroidery (needlepoint). In the USA, on the other hand, this canvas is often painted by hand and sometimes not embroidered over its whole surface.



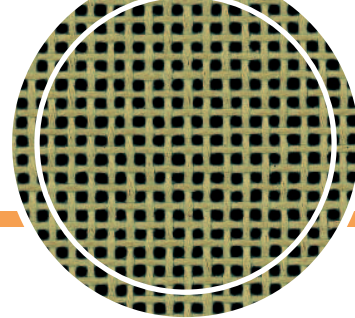
Stramin 9281/46 · Satin stitch  
Tapestry wool

## YARNS & NEEDLES

These specifications are just rough reference values which may vary depending on the embroidery thread used. It's generally a good idea to try embroidering a sample.

Stitches	Suggested threads	Needles	Techniques
9281 / 40, 46 10, 12 ct.	Tapestry wool 40 – Merino wool needle strength 4,5 - 5 46 – Merino wool needle strength 3,5 - 4	No 20	Satin stitch/Longstitch Straight stitch
9281 / 40, 46 10, 12 ct.	Tapestry wool Merino wool needle strength 3,5 - 4 Matt embroidery yarn Cotton yarn mercerized needle strength 2,5 - 3,5 46 - Mercerized yarn 5	No 20	Petit Point/Gobelin stitch Basket stitch

9281 / 40, 46 10, 12 ct.	Tapestry wool 40 – Merino wool needle strength 4,5 - 5 46 – Merino wool needle strength 3,5 - 4 46 – Matt embroidery yarn 46 – Cotton yarn mercerized needle strength 2,5 - 3,5	No 20	Cross stitch over 2 fabric threads
9281 / 52, 56 13, 14 ct.	52 – Matt embroidery yarn 52 – Cotton yarn mercerized Needle strength 2,5 - 3,5 52 – Merino wool needle strength 3,5 - 4 56 – Merino wool needle strength 2,5 - 3	No 22	Satin stitch/Longstitch Straight stitch
9281 / 52, 56 13, 14 ct.	Embroidery thread 6 threads Mercerized yarn 5 Merino wool needle strength 2,5 - 3 52 – Cotton yarn mercerized needle strength 2,5 - 3,5	No 22	Petit Point/Gobelin stitch Basket stitch
9281 / 52, 56 13, 14 ct.	Matt embroidery yarn Cotton yarn mercerized needle strength 2,5 - 3,5 56 – Merino wool needle strength 2,5 - 3	No 22	Cross stitch over 2 fabric threads
9281 / 60, 70 15, 18 ct.	60 – Matt embroidery yarn 60 – Merino wool Needle strength 2,5 - 3 70 – Embroidery thread 6 threads 70 – Merino wool Needle strength 2,5 - 3	No 22 No 24	Satin stitch/Longstitch Straight stitch
9281 / 60, 70 15, 18 ct.	60 – Embroidery thread 6 threads 60 – Merino wool Needle strength 2,5 - 3 70 – Embroidery thread 4 threads 70 – Mercerized yarn 8	No 24	Petit Point/Gobelin stitch Basket stitch
9281 / 60, 70 15, 18 ct.	Embroidery thread 6 threads Mercerized yarn 5 Merino wool Needle strength 2,5 - 3	No 24	Cross stitch over 2 fabric threads



# 1282 MONO CANVAS

4,0 · 4,6 · 5,2 · 5,6 · 6,0 · 7,0 / cm - 10 · 12 · 13 · 14 · 15 · 18 ct. | 100 % CO | 100 cm · 40"

This is a mono canvas: a **single-threaded canvas** in brown. It is plain-woven, meaning that the vertical warp and horizontal weft move up and down and cross at the same distance – all openings between the threads are woven checkers. It is made up of repeatedly polished threads and thus gets a smoother surface. This item is available in a big choice of counts.

## USE & TECHNIQUES

This canvas is suitable for long-stitch, satin stitch and various other surface-filling types of embroidery (needlepoint). In the USA, on the other hand, this canvas is often painted by hand and sometimes not embroidered over its whole surface.



Stramin 1282/40 · Cross stitch  
Embroidery thread

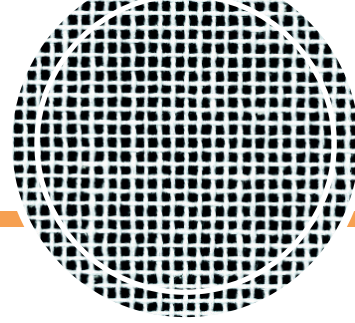
## YARNS & NEEDLES

These specifications are just rough reference values which may vary depending on the embroidery thread used. It's generally a good idea to try embroidering a sample.

Stitches	Suggested threads	Needles	Techniques
1282 / 40, 46 10, 12 ct.	Tapestry wool 40 – Merino wool needle strength 4,5 - 5 46 – Merino wool needle strength 3,5 - 4	No 20	Satin stitch/Longstitch Straight stitch
1282 / 40, 46 10, 12 ct.	Tapestry wool Merino wool needle strength 3,5 - 4 Matt embroidery yarn Cotton yarn mercerized needle strength 2,5 - 3,5 46 – Mercerized yarn 5	No 20	Petit Point/Gobelin stitch Basket stitch

1282 / 40, 46 10, 12 ct.	Tapestry wool 40 – Merino wool needle strength 4,5 - 5 46 – Matt embroidery yarn 46 – Cotton yarn mercerized Needle strength 2,5 - 3,5 46 – Merino wool needle strength 3,5 - 4	No 20	Cross stitch over 2 fabric threads
1282 / 52, 56 13, 14 ct.	52 – Matt embroidery yarn 52 – Cotton yarn mercerized needle strength 2,5 - 3,5 52 – Merino wool needle strength 3,5 - 4 56 – Merino wool needle strength 2,5 - 3	No 22	Satin stitch/Longstitch Straight stitch
1282 / 52, 56 13, 14 ct.	Embroidery thread 6 threads Mercerized yarn 5 Merino wool Needle strength 2,5 - 3 52 – Cotton yarn mercerized needle strength 2,5 - 3,5	No 22	Petit Point/Gobelin stitch Basket stitch
1282 / 52, 56 13, 14 ct.	Matt embroidery yarn Cotton yarn mercerized Needle strength 2,5 - 3,5 56 – Merino wool Needle strength 2,5 - 3	No 22	Cross stitch over 2 fabric threads
1282 / 60, 70 15, 18 ct.	60 – Matt embroidery yarn 60 – Merino wool Needle strength 2,5 - 3 70 – Embroidery thread 6 threads 70 – Merino wool Needle strength 2,5 - 3	No 22 No 24	Satin stitch/Longstitch Straight stitch
1282 / 60, 70 15, 18 ct.	60 – Embroidery thread 6 threads 60 – Merino wool Needle strength 2,5 - 3 70 – Embroidery thread 4 threads 70 – Mercerized yarn 8	No 24	Petit Point/Gobelin stitch Basket stitch
1282 / 60, 70 15, 18 ct.	Embroidery thread 6 threads Mercerized yarn 5 Merino wool Needle strength 2,5 - 3	No 24	Cross stitch over 2 fabric threads





## 414 CORDOVA · ETAMINE

8,8 / cm - 22 ct. | 100 % CO | 60 cm · 24"

Cordova/Etamine is a fine, white **mono canvas**, i.e. single-threaded. It is plain-woven, meaning that the vertical warp and horizontal weft move up and down and cross at the same distance – all openings between the threads are woven checkers. The canvas is stiffened by a finish and thus maintains its shape.

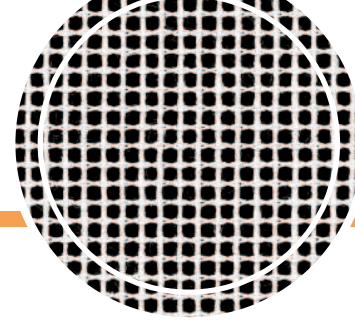
### USE & TECHNIQUES

It is suitable for staying stitches and cross-stitches over two-six mesh threads, as well as petit point with embroidery thread. In general, most counted decorative stitches can be embroidered on this canvas.

### YARNS & NEEDLES

These specifications are just rough reference values which may vary depending on the embroidery thread used. In general, it is always a recommended idea to test the yarn with a small sample on the canvas.

Stitches	Suggested threads	Needles	Techniques
414 / 88 22 ct.	Mercerized yarn 8 Embroidery thread 3 threads Merino wool needle strength 2,5	No 26	Satin stitch/Longstitch Straight stitch
414 / 88 22 ct.	Mercerized yarn 8 Embroidery thread 2 threads  Merino wool needle strength 2,5 - 3	No 26	Petit Point/ Gobelinstitch Basket stitch over 1 fabric threads over 2 fabric threads
414 / 88 22 ct.	Mercerized yarn 8 Embroidery thread 2, 3 threads	No 26	Cross stitch over 2 fabric threads



## 9604 ZWEIGART TWIST

4,0 · 4,8 · 5,2 · 5,6 · 7,0 / cm - 10 · 12 · 13 · 14 · 18 ct. | 100 % CO | 100 cm · 40"

As its name implies, ZWEIGART Twist is a white **interlook canvas**. Two warp threads twist before and after every two wefts combined with a rigid finish. This gives the fabric its stability. It is similar to single-threaded canvas, only here the threads cannot shift anymore due to the binding. This item is available in a big choice of counts and has a good dimensional stability.

### USE & TECHNIQUES

Like the mono canvas, this canvas is also especially well-suited for long and satin stitches. Cross-stitch, kelim stitch or many other decorative stitches can also be embroidered on this canvas.

### YARNS & NEEDLES

These specifications are just rough reference values which may vary depending on the embroidery thread used. In general, it is always a recommended idea to test the yarn with a small sample on the canvas.

Stitches	Suggested threads	Needles	Techniques
9604 / 40, 48 10, 12 ct.	Tapestry wool Merino wool needle strength 3,5 - 4 48 – Matt embroidery yarn 48 – Cotton yarn mercerized needle strength 2,5 - 3,5	No 20	Satin stitch/Longstitch Straight stitch
9604 / 40, 48 10, 12 ct.	Tapestry wool Matt embroidery yarn Cotton yarn mercerized Needle strength 2,5 - 3,5 40 – Merino wool needle strength 3,5 - 4 48 – Merino wool needle strength 2,5 - 3	No 20	Gobelinstich = half cross stitch over 1 fabric thread

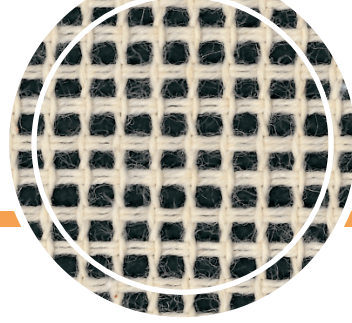


Stramin 9604/48 - Bargello embroidery  
Tapestry wool

9604 / 40, 48 10, 12 ct.	Tapestry wool Merino wool needle strength 4,5 - 5 Matt embroidery yarn Cotton yarn mercerized needle strength 2,5 - 3,5	No 20	Cross stitch over 2 fabric threads
9604 / 40, 48 10, 12 ct.	Tapestry wool Matt embroidery yarn Cotton yarn mercerized needle strength 2,5 - 3,5 40 – Merino wool needle strength 3,5 - 4 48 – Merino wool needle strength 2,5 - 3	No 20	Kelim stitch over 2 fabric threads
9604 / 52, 56 13, 14 ct.	Matt embroidery yarn Cotton yarn mercerized needle strength 2,5 - 3,5 Merino wool needle strength 2,5 - 3 52 – Tapestry wool	No 22	Satin stitch/Longstitch Straight stitch
9604 / 52, 56 13, 14 ct.	Mercerized yarn 5 Embroidery thread 6 threads Merino wool needle strength 2,5 - 3 52 – Tapestry wool 52 – Matt embroidery yarn 52 – Cotton yarn mercerized needle strength 2,5 - 3,5	No 22	Gobelin stitch = half cross stitch over 1 fabric thread
9604 / 52, 56 13, 14 ct.	Embroidery thread 6 threads Merino wool needle strength 2,5 - 3 52 – Matt embroidery yarn 52 – Cotton yarn mercerized needle strength 2,5 - 3,5 56 – Mercerized yarn 5	No 22	Cross stitch over 2 fabric threads
9604 / 52, 56 13, 14 ct.	Mercerized yarn 5 Embroidery thread 6 threads Merino wool Needle strength 2,5 - 3 52 – Matt embroidery yarn 52 – Cotton yarn mercerized Needle strength 2,5 - 3,5	No 22	Kelim stitch over 2 fabric threads

9604 / 70 18 ct.	Mercerized yarn 5 Embroidery thread 4 threads Merino wool Needle strength 2,5 - 3	No 22	Satin stitch/Longstitch Straight stitch
9604 / 70 18 ct.	Mercerized yarn 5 Embroidery thread 4 threads Merino wool Needle strength 2,5 - 3	No 22	Gobelin stitch = half cross stitch over 1 fabric thread
9604 / 70 18 ct.	Mercerized yarn 5 Embroidery thread 4 threads Merino wool Needle strength 2,5 - 3	No 22	Cross stitch over 2 fabric threads
9604 / 70 18 ct.	Mercerized yarn 5 Embroidery thread 4 threads Merino wool Needle strength 2,5 - 3	No 22	Kelim stitch over 2 fabric threads





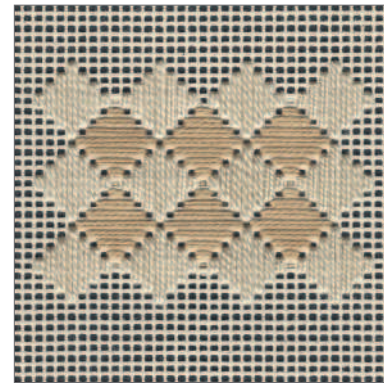
## 9699 ZWEIGART TWIST

2,9 / cm - 7 ct. | 100 % CO | 120 cm · 47"

As its name implies, ZWEIGART Twist is an **interlock canvas** in natural beige. Two warp threads twist before and after every two wefts. This gives the fabric a good dimensional stability. It is similar to single-threaded canvas, only here the threads cannot shift anymore due to the special binding.

### USE & TECHNIQUES

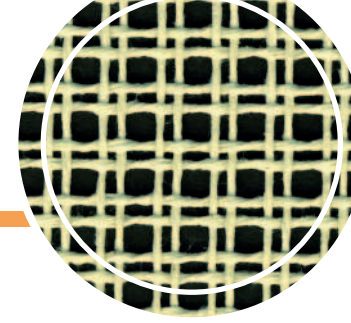
The following stitches are often embroidered on this canvas: cross-stitch, half-stitch, satin stitch, staying stitch, Bargello embroidery, kelim stitch, decorative stitches. It is also frequently knotted with a needle on the canvas.



Stramin 9699/29 - Satin stitch / Staying stitch - Mercerized yarn

### YARNS & NEEDLES

Stitches	Suggested threads	Needles	Techniques
9699 / 29 7 ct.	Sudan wool Merino wool needle strength 7 - 8	No 18	Satin stitch/Longstitch Straight stitch
9699 / 29 7 ct.	Merino wool needle strength 4,5 - 5,5 Merino wool needle strength 7 - 8	No 18	Gobelin stitch = half-stitch over 1 fabric thread
9699 / 29 7 ct.	Tapestry wool Matt embroidery yarn Cotton yarn mercerized needle strength 2,5 - 3,5 Merino wool needle strength 4,5 - 5,5 Merino wool needle strength 7 - 8	No 18	Cross stitch over 1 crosshairs  Cross stitch over 2 fabric threads
9699 / 29 7 ct.	Tapestry wool Merino wool needle strength 4,5 - 5,5 Merino wool needle strength 7 - 8 Matt embroidery yarn Cotton yarn mercerized needle strength 2,5 - 3,5	No 18	Kelim stitch over 2 crosshairs



## 905 SUDANSTRAMIN

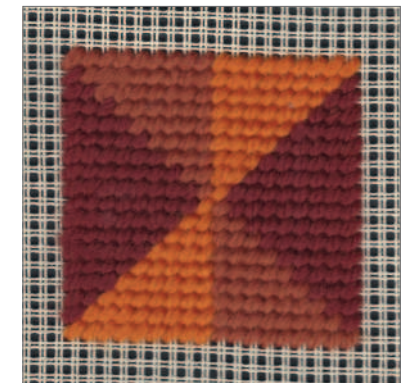
1,8 / cm - 5 ct. | 100 % CO | 100 cm · 40"

Sudan canvas is a sturdy meshwork fabric made of 100% cotton which retains its strength thanks to its thick yarn and finish. This is a **double-threaded canvas** in natural beige. Pairs of tightly spaced parallel threads result in one stitch.

### USE & TECHNIQUES

It is often used as the base fabric for coarse acrylic wool embroidery of medium thickness. Various decorative stitches can be embroidered on this canvas.

It is used for fine knotted carpet or coarse cross-stitch embroidery for cushions with Sudan wool.

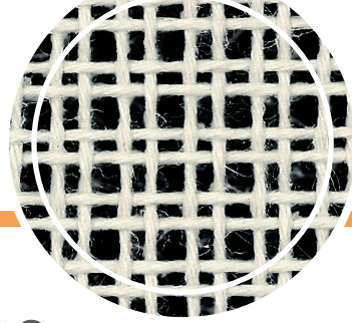


Stramin 905/18 - Half stitch - Sudan wool

### YARNS & NEEDLES

These specifications are just rough reference values which may vary depending on the embroidery thread used. It's generally a good idea test it on a sample.

Stitches	Suggested threads	Needles	Techniques
905 / 180 5 ct.	Sudan wool	No 14	Gobelin stitch = half cross stitch over 1 crosshairs
905 / 180 5 ct.	Sudan wool	No 14	Cross stitch over 1 crosshairs
905 / 180 5 ct.	Sudan wool	No 14	Kelim stitch over 2 crosshairs
905 / 180 5 ct.	Acryl wool pre-cut, length 5 cm	Latch hook needle	Latch hook with 1 thread



## 955 FEINSMYRNA · SUDAN CANVAS

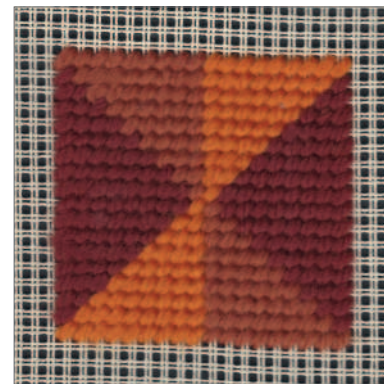
1,8 / cm - 5 ct. | 50 % PES · 50 % CO | 50 cm · 20" - 80 cm · 32" - 100 cm · 40"

Fine Smyrna canvas is a firm meshwork fabric made of a polyester-cotton mixture with high tear resistance. This is a **double-threaded canvas** in natural beige. Pairs of tightly spaced parallel threads result in one stitch.

### USE & TECHNIQUES

It is often used as the base fabric for acrylic wool embroidery of medium thickness. Various decorative stitches can be embroidered on this canvas.

It is used for fine knotted carpet or coarse cross-stitch embroidery for cushions with Sudan wool.

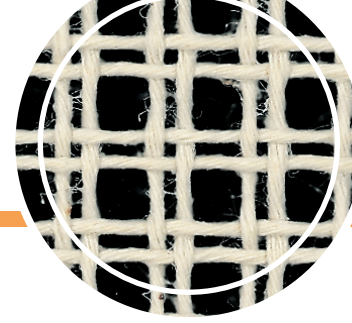


Stramin 955/18 · Half stitch · Sudan wool

### YARNS & NEEDLES

These specifications are just rough reference values which may vary depending on the embroidery thread used. In general, it is always a recommended idea to test the yarn with a small sample on the canvas.

Stitches	Suggested threads	Needles	Techniques
955 / 180 5 ct.	Sudan wool	No 14	Gobelin stitch = halber Cross stitch over 1 crosshairs
955 / 180 5 ct.	Sudan wool	No 14	Cross stitch over 1 crosshairs
955 / 180 5 ct.	Sudan wool	No 14	Kelim stitch over 2 crosshairs
955 / 180 5 ct.	Acryl wool pre-cut, length 5 cm	Latch hook needle	Latch hook with 1 thread



## 820 SMYRNASTRAMIN

1,3 / cm - 3 ct. | 100 % CO | 60 cm · 24" - 80 cm · 32" - 100 cm · 40" - 200 cm · 79"

This canvas is primarily distinguished by its heavy latch hook quality. This is a **double-threaded canvas** in beige, meaning pairs of tightly spaced parallel threads result in one stitch. This canvas is made up of eightfold threads and reinforced with a special finish for stiffness.

### USE & TECHNIQUES

This canvas is suitable for carpet and latch hook works. It works well with Ghiordes latch hook using a latch hook and a matching cut wool/acrylic yarn.



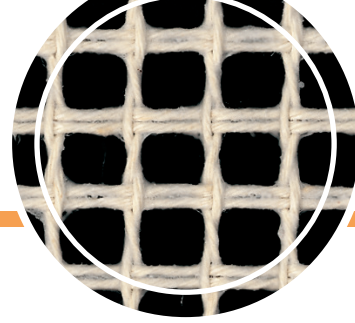
Stramin 820/13 · Latch hook  
Carpet wool

### YARNS & NEEDLES

These specifications are just rough reference values which may vary depending on the embroidery thread used. In general, it is always a recommended idea to test the yarn with a small sample on the canvas.

Stitches	Suggested threads	Needles	Techniques
820 / 130 3 ct.	Carpet wool	No 1	Gobelin stitch = halber Cross stitch over 1 crosshairs
820 / 130 3 ct.	Carpet wool	No 1	Cross stitch over 1 crosshairs
820 / 130 3 ct.	Carpet wool	No 1	Kelim stitch over 2 crosshairs
820 / 130 3 ct.	Acryl wool pre-cut, length 5 cm	Latch hook needle	Latch hook with 1 or 2 threads depending on the thread size





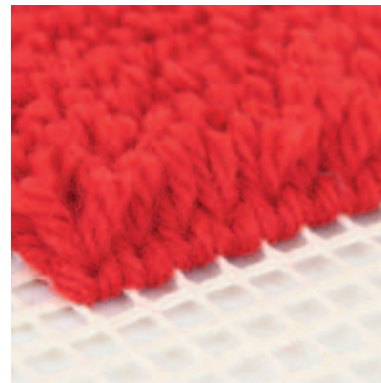
## 9106 RUG CANVAS - 3 ct.

1,32 / cm - 3 ct. | 100 % CO | 94 cm · 37"

Rug Canvas is a sturdy **twist canvas** in beige with very large holes. Two warp threads twist before and after two adjacent wefts. This gives the fabric its great stability, even though it is very open and is ideal for various latch hook works.

### USE & TECHNIQUES

This canvas is typically used for knotted rugs and is knotted with a latch hook. Various coarse decorative stitches can be worked on this canvas.

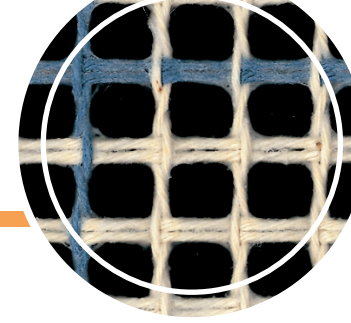


Stramin 9106/13 · Latch hook  
Carpet wool

### YARNS & NEEDLES

These specifications are just rough reference values which may vary depending on the embroidery thread used. In general, it is always a recommended idea to test the yarn with a small sample on the canvas.

Stitches	Suggested threads	Needles	Techniques
9106 / 132 3 ct.	Carpet wool	No 1	Cross stitch over 1 crosshairs
9106 / 132 3 ct.	Carpet wool	No 1	Kelim stitch over 2 crosshairs
9106 / 132 3 ct.	Acryl wool pre-cut, length 5 cm	Latch hook needle	Latch hook with 1 or 2 threads depending on the thread size



## 9116 RUG CANVAS - 3 ct.

1,3 / cm - 3 ct. | 100 % CO | 71 cm · 28" - 100 cm · 40"

Rug Canvas is a sturdy **twist canvas** in beige with very large holes, but its meshwork is chequered in blue at intervals of 10 stitches, making counting easier. The twist binding and rigid finish gives the fabric its great stability, even though it is very open. It is usually used for rugs, hence the name.

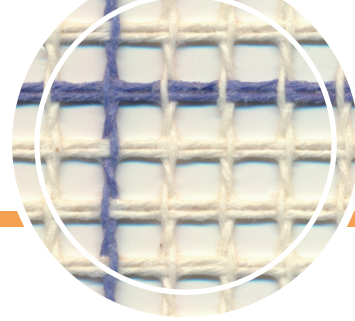
### USE & TECHNIQUES

This canvas is typically used for knotted rugs and latch hook works. It works well with Ghiordes latch hook using a latch hook and a matching cut wool/acrylic yarn. Various decorative stitches can be transferred on this canvas.

### YARNS & NEEDLES

These specifications are just rough reference values which may vary depending on the embroidery thread used. In general, it is always a recommended idea to test the yarn with a small sample on the canvas.

Stitches	Suggested threads	Needles	Techniques
9116 / 130 3 ct.	Carpet wool	No 1	Cross stitch over 1 crosshairs
9116 / 130 3 ct.	Carpet wool	No 1	Kelim stitch over 2 crosshairs
9116 / 130 3 ct.	Acryl wool pre-cut, length 5 cm	Latch hook needle	Latch hook with 1 or 2 threads depending on the thread size



## 1136 RUG CANVAS - 3,75 ct.

1,46 / cm - 3,75 ct. | 50 % CO · 50 % PES | 150 cm · 59"

Rug Canvas is a sturdy **twist canvas** in beige with very large holes, but its meshwork is chequered in blue at intervals of 10 stitches, making counting easier. The twist binding gives the fabric its great stability, even though it is very open. It is usually used for rugs, hence the name.

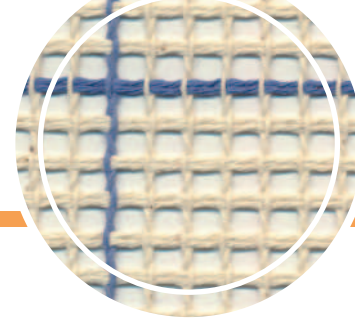
### USE & TECHNIQUES

This canvas is suitable for carpet and latch hook works. It works well with Ghiordes latch hook using a latch hook and a matching cut wool/acrylic yarn. Furthermore this quality can be used for Locker Hooking.

### YARNS & NEEDLES

These specifications are just rough reference values which may vary depending on the embroidery thread used. In general, it is always a recommended idea to test the yarn with a small sample on the canvas.

Stitches	Suggested threads	Needles	Techniques
1136 / 146 3,75 ct.	Carpet wool	No 14	Satin stitch/Longstitch
1136 / 146 3,75 ct.	Carpet wool fabric strips 2.5 cm wide	Hook-Needle	Locker Hooking
1136 / 146 3,75 ct.	Acryl wool pre-cut, length 5 cm	Latch hook needle	Latch hook with 1 or 2 threads depending on the thread size



## 9118 RUG CANVAS - 5 ct.

1,97 / cm - 5 ct. | 50 % CO · 50 % PES | 150 cm · 59"

Rug Canvas is a sturdy **twist canvas** in beige with very large holes, but its meshwork is chequered in blue at intervals of 10 stitches, making counting easier. The twist binding gives the fabric its great stability, even though it is very open. It is usually used for finer rugs, hence the name.

### USE & TECHNIQUES

This canvas is suitable for finer carpet and latch hook works. It works well with Ghiordes latch hook using a latch hook and a matching cut wool/acrylic yarn. Furthermore this quality can be used for Locker Hooking.

### YARNS & NEEDLES

These specifications are just rough reference values which may vary depending on the embroidery thread used. In general, it is always a recommended idea to test the yarn with a small sample on the canvas.

Stitches	Suggested threads	Needles	Techniques
9118 / 197 5 ct.	Carpet wool Sudan wool	No 14	Satin stitch/Longstitch
9118 / 197 5 ct.	Sudan wool Carpet wool Fabric strips 2 cm wide	Hook-Needle	Locker Hooking
9118 / 197 5 ct.	Carpet wool	Latch hook needle	Latch hook with 1 thread



# EMBROIDERY TECHNIQUES

## KEY INFO ON THE TECHNIQUES

Not only do classic Gobelins in half-stitch or cross-stitch work well on canvas, the material is also great for special textural variations with various fills. The stitches span over multiple bars, making the embroidery work go quite quickly.

The canvas is embroidered over completely for cushions and other useful items, while unembroidered

fabric meshes give an additional effect for partly transparent images. In this case, however, special attention must be paid when sewing up the threads to make sure that the ends are sewn in the correct direction of stitching. It is generally important with all single-sided stitches to make sure that all of the stitches are going in the same direction. Furthermore, it is important to make

sure that the thread is not too long in order to ensure an even embroidery pattern (approx. 50- 70 cm). Wool in particular roughens up as the number of stitches increases, making it thinner so that it no longer covers up very well. A short thread will stop this – but it means there will also be more sewing work. It is generally recommended to use a special embroidery frame for canvases to ensure a good result. This not only makes the embroidery work quicker and more convenient, it also reduces the risk of the canvas getting damp and wrinkling from being held by hand. But if the canvas is held still by hand while embroidering, it can be rolled up and held tight in the left hand.

*A sample should always be worked before embroidering the canvas.*

The choice of material can have a big effect on the result of the work. For that reason, it is always a good idea to make a test sample before beginning in order to see whether the canvas and embroidery

thread work well together. After the embroidering, the canvas must no longer be visible between the stitches. If it is, then the embroidery thread is too thin in proportion to the canvas. If the ratio is not correct, then a coarser or finer canvas should be used instead of thicker or thinner thread.

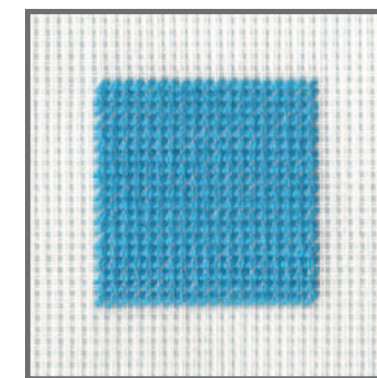
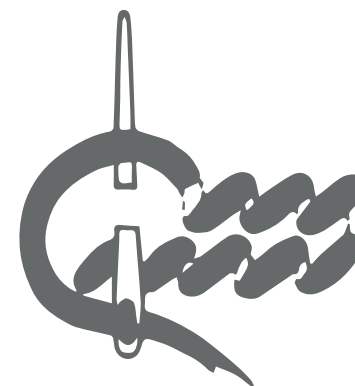
The classic and mostly widely used stitches for canvas embroidery are half-stitch, underlaid half-stitch, gobelin stitch and diagonal stitch. However, any other filling decorative stitch can be used to embroider on canvas. Interesting patterns are not only created through a variety of colours, but also by different embroidery textures.

Canvases can also be worked on using completely different techniques. Latch hook is one of the most famous examples. This technique is primarily used for making rugs and cushions. Uncountable fabrics can also be embroidered with beautiful cross-stitch on selected canvases known as “waste canvases” (such as items 500 and 510). Pom-pom technique is also suitable for beginners in order to make nice rugs and cushions quickly and easily.

Except for “waste canvases” used for embroidering non-countable fabrics, embroidery on canvas is generally done with blunt needles. For that reason, pay attention when selecting the needle to make sure it goes through the canvas straight and that the needle has an eye that’s big enough for the embroidery material to be used.

## HALF-STITCH · SIMPLE GOBELIN STITCH

With simple Gobelin, the direction of stitching runs from the bottom left to the top right. A vertical stitch will form on the back side. Unfortunately, this type of embroidery tends to pull the meshwork from the right angle. This makes it important to keep the finished piece under tension in a frame, especially when embroidering firmly and tightly.

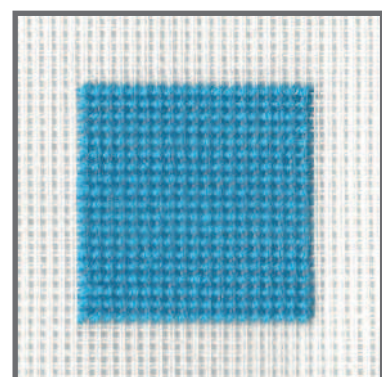


Canvas 504/44 · Mercerized yarn col. 433  
Needle 22

## UNDERLAID HALF-STITCH

If the thread doesn't cover completely, but its colour would fit quite nicely, then it is possible to first stretch a stitch in the desired colour with the thread diagonally over the holes in the canvas to be embroidered. Then insert the needle between the double groups in the meshwork and make a half-stitch over it from the bottom left to the top right.

This allows you to sketch out fields of colour with the thread.



Canvas 504/44 - Mercerized yarn col. 433  
Needle 22

The two mesh threads of a double-threaded canvas are referred to as double groups. With an underlaid half-stitch, the needle is not inserted through the holes in the mesh like usual, but between the two mesh threads of the bar. With canvas, "bars" refer to the threads which separate each of the holes in the meshwork from one another – in the case of a double-threaded canvas, these are, as the name implies, two threads.

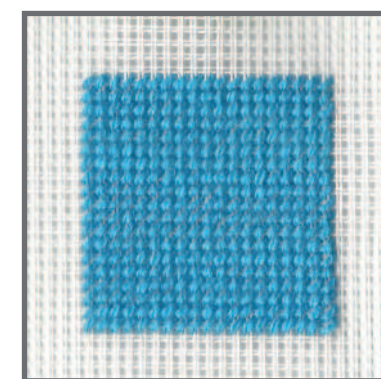
This makes the stitches fuller so that the canvas is completely covered by the stitches. The embroidery looks more opulent than with half-stitch, but it also uses more thread. Unfortunately, this type of embroidery tends to pull the meshwork from the right angle. This makes it important to keep the finished piece under tension in a frame, especially when embroidering firmly and tightly.

With "traced" canvases, this work is already done in advance and the pattern is already pre-embroidered with the cross-stitches – this means that with traced canvases, only a half-stitch still has to be embroidered. These usually come in very high-class embroidery packs which are mainly available in France. These packs are very expensive, since the preliminary work has to be done by hand.

## GOBELIN STITCH

On the top side, this stitch looks like a half-stitch, while on the bottom side, the thread runs diagonally over two mesh chequers. As the name implies, this yields a very beautiful, pearly surface. However, this stitch also uses more thread than half-stitch.

Unfortunately, this type of embroidery tends to pull the meshwork from the right angle. This makes it



Canvas 504/44 - Mercerized yarn col. 433  
Needle 22

important to keep the finished piece under tension in a frame, especially when embroidering firmly and tightly. With large areas in particular, it is better to embroider the canvas in diagonal gobelin stitch, in which the meshwork does not warp and the finished embroidery cannot get out of shape again.

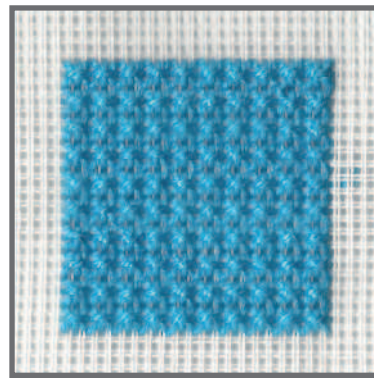
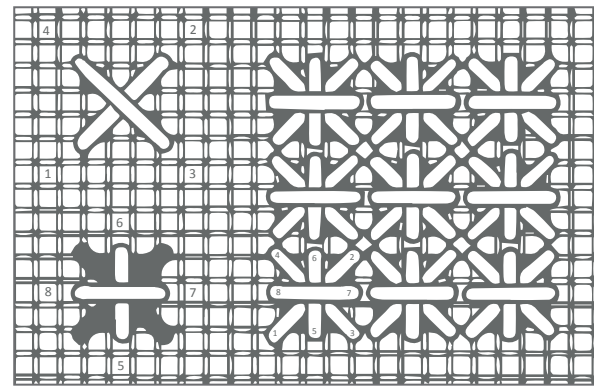
If the Gobelin stitch is embroidered on double-threaded canvas, then the mesh and the embroidery thread are divided for faces and parts of the motif which require very fine detail work. This is called "petit point."

## DIAMOND STITCH

First make a cross-stitch over four bars and then make a vertical cross over it. Stitch in and out in the order of the numbers. The last stitch must always be crosswise, so that the embroidery pattern will be uniform. The next diamond stitch connects up to it directly.

This stitch does not cover up the canvas completely, making it suitable for transparent effects.



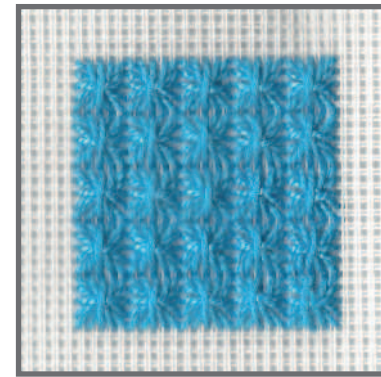


Canvas 504/44 - Mercerized yarn col. 433  
Needle 22

## DOUBLE DIAMOND STITCH

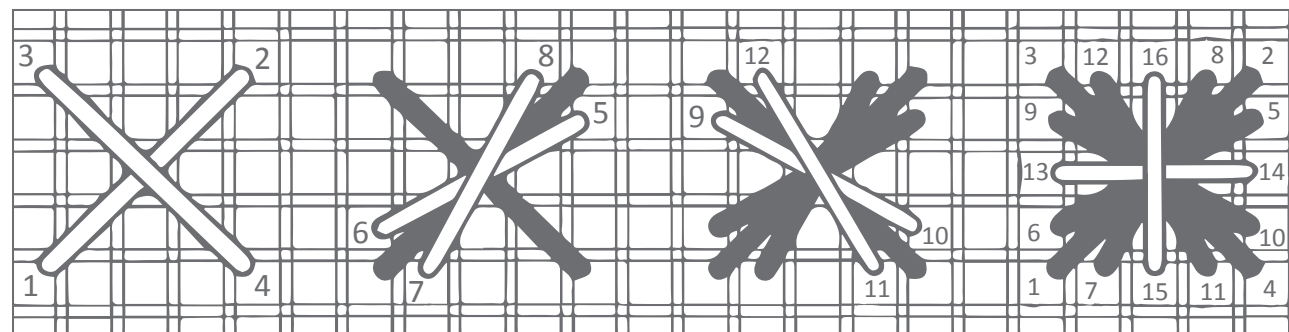
The instructions show a single stitch in its four phases of work.

The double diamond stitch is made up of eight overlying partial-stitches and is magnified here so that the direction of stitching can be seen more clearly. Stitch in and out in the order of the numbers. Make sure the last stitch is always vertical. Like with diamond stitch, work the squares closely together in continuous rows. The stitch covers the canvas completely and bulges upwards vividly at the centre point.



Canvas 504/44 - Mercerized yarn col. 433  
Needle 22

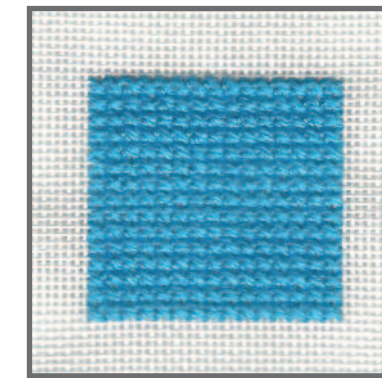
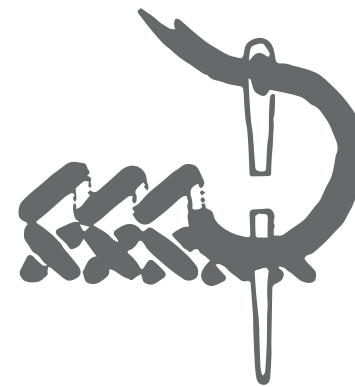
The double diamond stitch stands out thanks to its particularly distinctive texture. It can be used quite well as an individual decorative stitch. However, if it is embroidered continuously, the threads would run horizontally from 16 to 1. These would cause the stitch to shift over time.



## CROSS-STITCH

In cross-stitch, the base stitches are embroidered like half-stitches until the colour changes. Then a back-row is made crossing back over it.

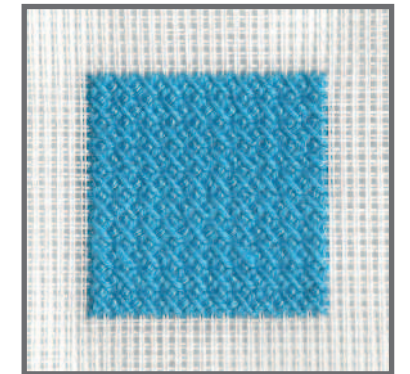
The cross-stitch is the most famous embroidery stitching technique in the world when it comes to countable embroidery.



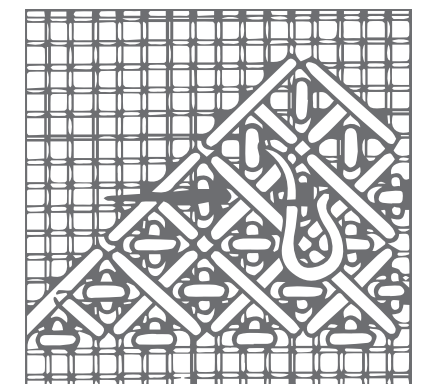
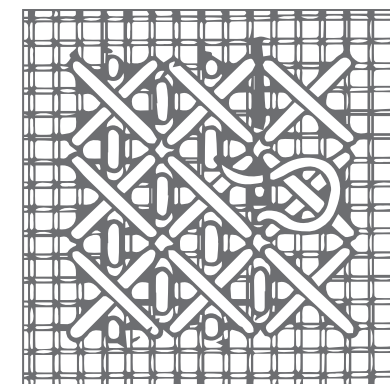
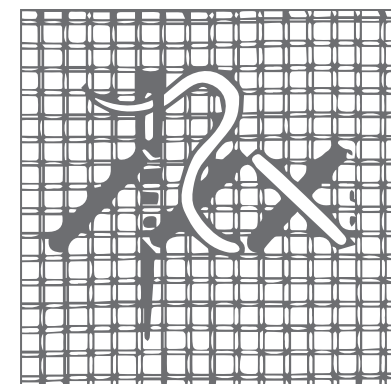
Royal Canvas 9281/70 or 2-thread canvases  
Mercerized yarn col. 433 - Needle 22

## FILLED CROSS-STITCH

First, make cross-stitches in rows over four bars across the entire surface. If the embroidered edges are diagonal, end with half-stitches. After that, fill the gaps with vertical stitches over two bars and embroider over them diagonally in a third work step.

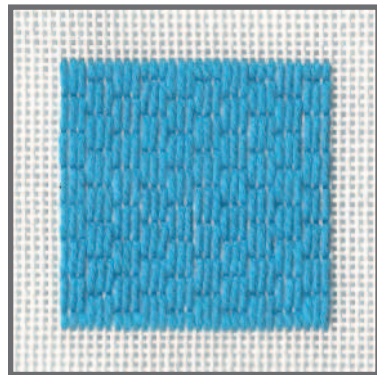
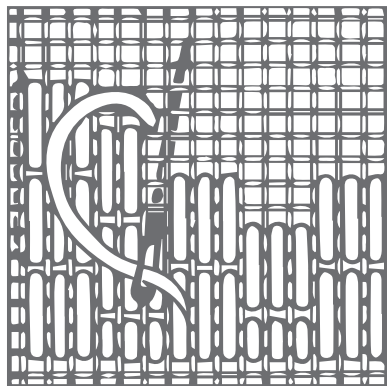


Canvas 504/44 - Mercerized yarn col. 433  
Needle 22



## STAYING STITCH IN PATTERN REPEAT

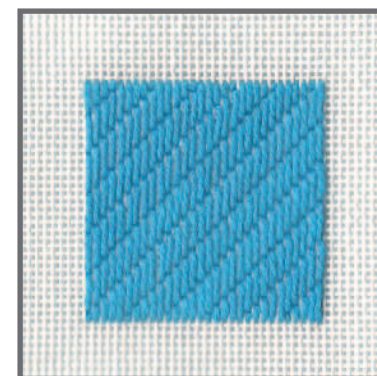
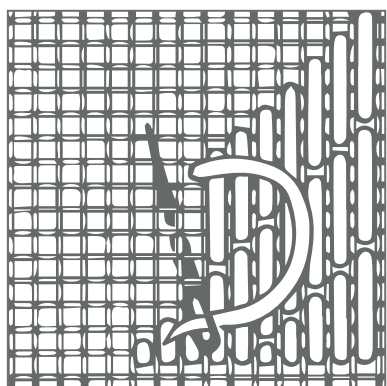
This stitch is worked in cross-rows. In the first row, embroider from left to right and only pierce over two bars. Add the second row from right to left parallel to the first row. Either single-threaded canvas or twist canvas can be used for this embroidery technique.



Royal Canvas 9281/70 - Mercerized yarn  
col. 433 - Needle 22

## DIAGONAL RIGHT STAYING STITCH

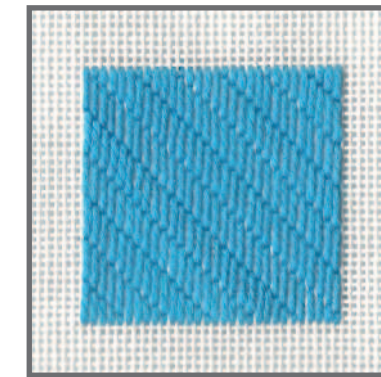
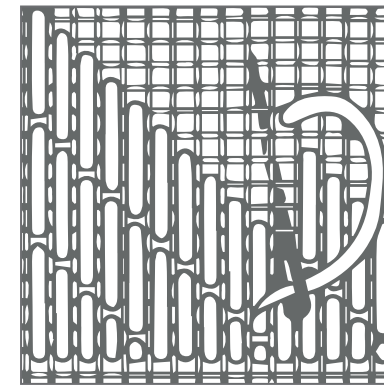
Embroider vertical staying stitches over five bars, each staggered by one bar. Work in parallel rows, starting from the bottom to the top, and then from the top to the bottom in the next row. Either single-threaded canvas or twist canvas can be used for this embroidery technique.



Royal Canvas 9281/70 - Mercerized yarn  
col. 433 - Needle 22

## DIAGONAL LEFT STAYING STITCH

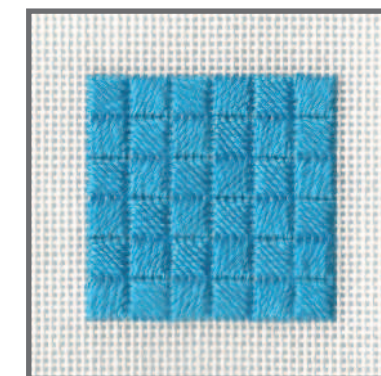
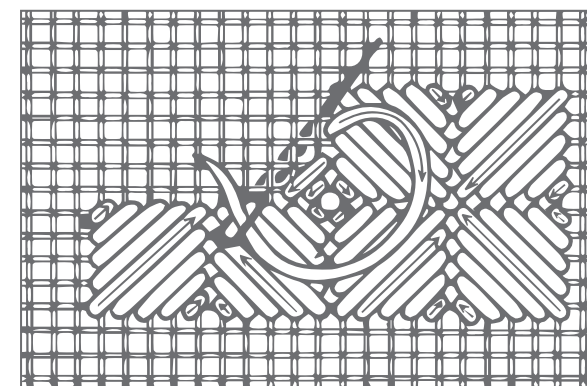
The stitch size for this stitch is also five bars. However, the parallel rows run from the bottom right to the top left. Either single-threaded canvas or twist canvas can be used for this embroidery technique.



Royal Canvas 9281/70 - Mercerized yarn  
col. 433 - Needle 22

## CHESSBOARD STITCH

In this stitch, diagonally pierced staying stitches are made continuously over 1-5 bar crossings and then back again. This will form a square. Next to it comes the next square with the thread running in the opposite direction. Start at the dot – this is the first exit point. The arrow points in the direction of the entry points. Work the squares in rows from left to right and each second row from right to left. Either single-threaded canvas or twist canvas can be used for this embroidery technique.

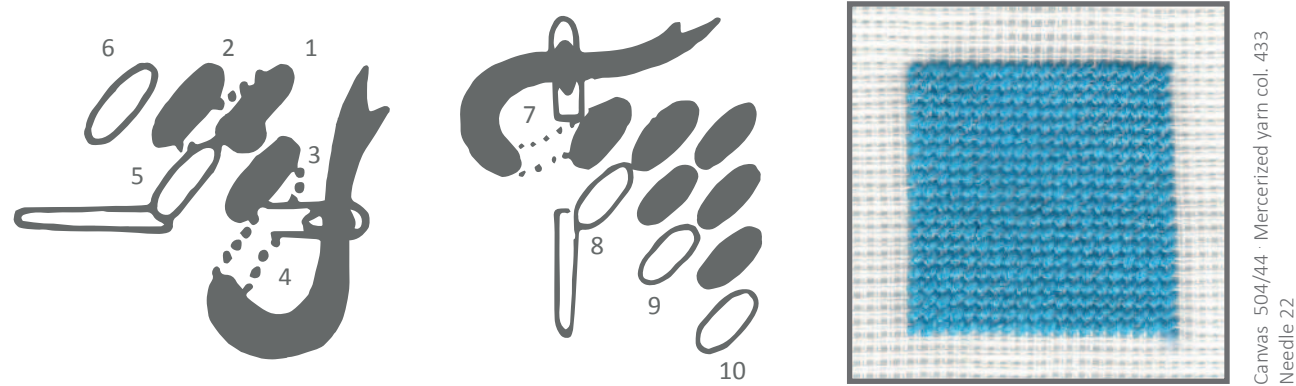


Royal Canvas 9281/70 - Mercerized yarn  
col. 433 - Needle 22



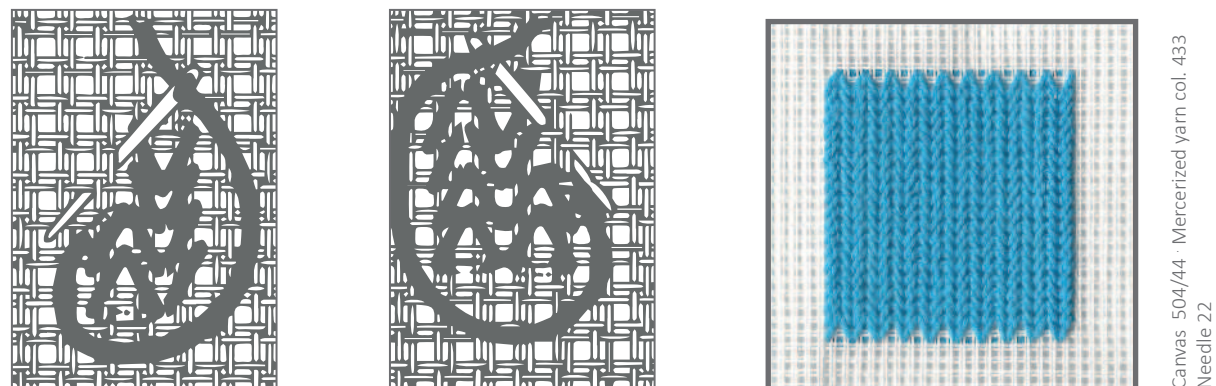
## DIAGONAL STITCH · BASKET STITCH

This stitch is embroidered in diagonal stitches. Embroider crosswise on the back side going up and vertically going down, passing over two chequers in the mesh. This will form a woven pattern on the back side. This stitch is primarily intended for filling out backgrounds. The advantage of this stitch is that the diagonal stitch does not shift the embroidery out of the right angle.



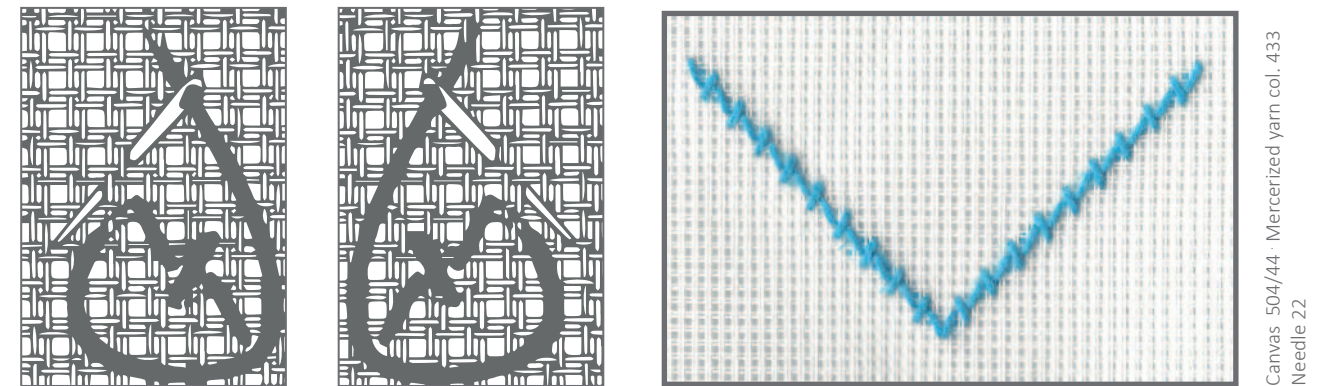
## VERTICAL KELIM STITCH

In the ascending row, the stitches are pointed upwards, while the ones in the descended row point downwards. Always embroider over a woven cross on the back side. All fields are filled with this stitch. The kelim stitch is also known as a braid stitch and can be used to fasten the edges for knotted carpets.



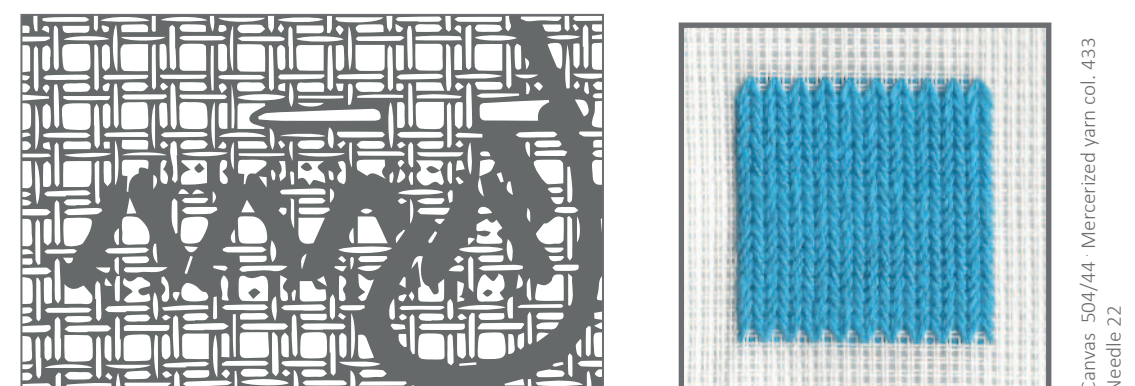
## DIAGONAL KELIM STITCH

In the rows pointing left, the stitches on the back are always embroidered from top right to bottom left over a woven cross. In the row pointing right, all of the backwards stitches run from the top left to the bottom right. This stitch is used to make diagonal contours.



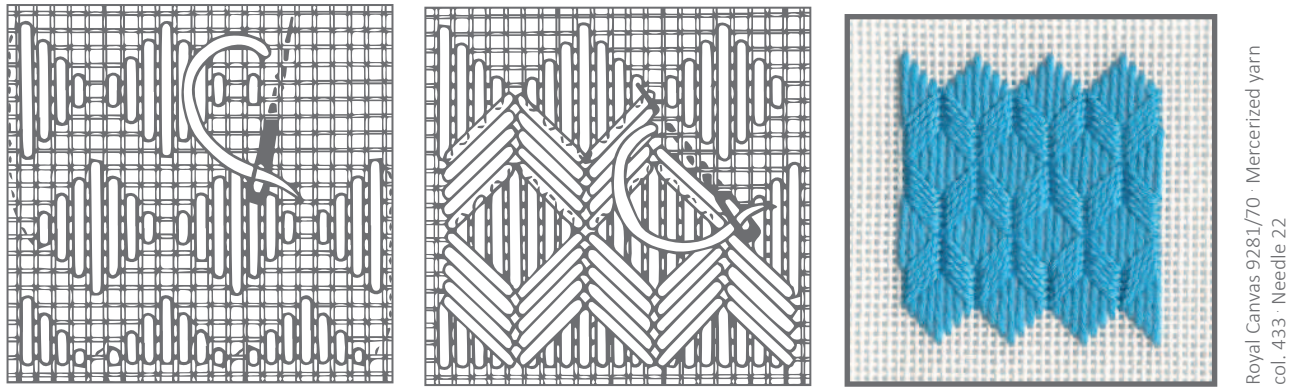
## HORIZONTAL KELIM STITCH

The stitches on the back side run diagonally over two woven chequers (zig-zag stitch). This stitch is suitable for horizontal contours. The kelim stitch is also known as a braid stitch and can be used to fasten the edges for knotted carpets.



## MOSAIC STITCH

First, make the diamonds out of vertical staying stitches over the entire embroidered area. Then make the diagonal staying stitches. This will cover up the entry and exit points of the diamonds. Either mono canvas or twist canvas can be used.

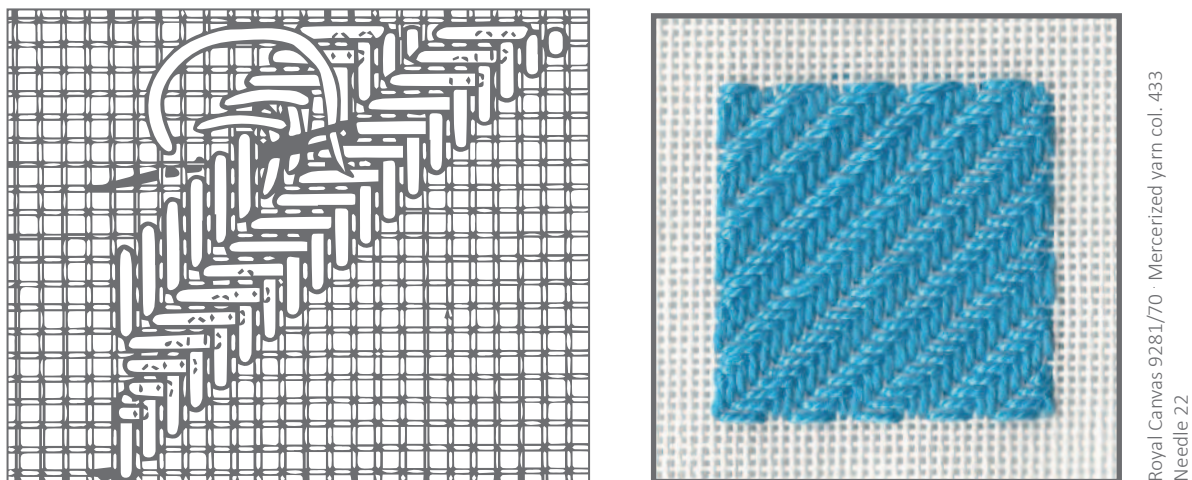


Royal Canvas 9281/70 - Mercerized yarn col. 433 - Needle 22

## RIGHT FISHBONE DIAGONAL

First, make a row of vertical staying stitches over four bars. After that, embroider staying stitches crossing each other diagonally. It's best to start at the point with the long diagonal. Shorten each of the stitches at the corners and edges.

First, all of the staying stitch base rows can be embroidered over the entire field with a spacing of two bars each, and the crossing rows of stitches can be added in the second step.

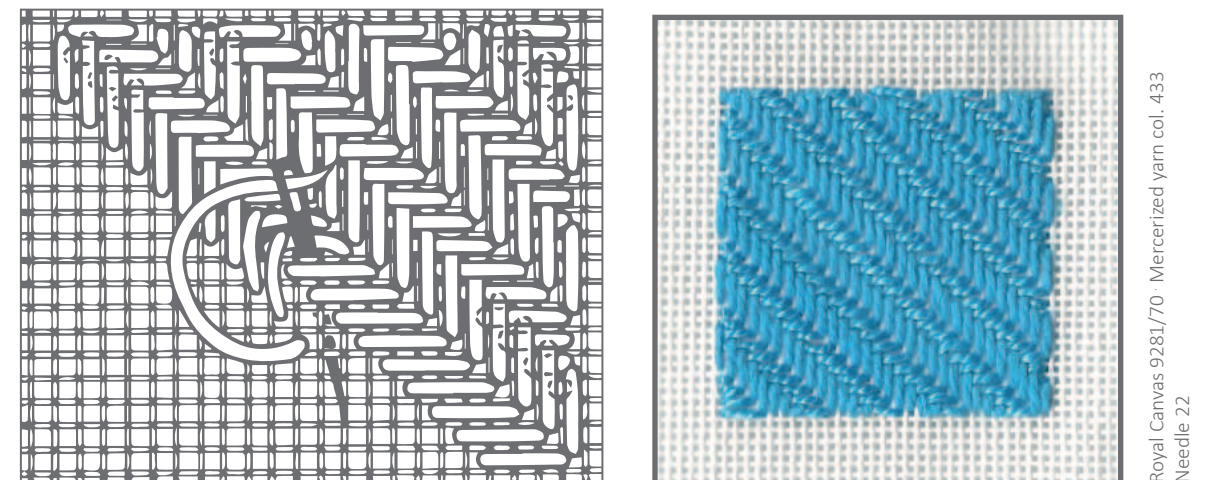


Royal Canvas 9281/70 - Mercerized yarn col. 433 - Needle 22

## LEFT FISHBONE DIAGONAL

First, embroider the crosswise staying stitches over the four bars. Then comes the vertical row crossing over them. It is best to start with a long diagonal in order to practice the rhythm of this stitch. The corners will then emerge on their own.

First, all of the staying stitch base rows can be embroidered over the entire field with a spacing of two bars each, and the crossing rows of stitches can be added in the second step.



Royal Canvas 9281/70 - Mercerized yarn col. 433 - Needle 22



# OTHER TECHNIQUES

## LATCH HOOK

Latch hook can be done either with "Ghiordes" knots or with loop knots. With a Ghiordes knot, the knot pile is taller, but the pattern is not emphasised so heavily. Loop knots yield a base mesh which is filled more tightly, making the pattern more clearly highlighted thanks to a shorter pile.

Both types of knots are made in cross-rows according to the pre-printed pattern. Start at the bottom left corner of the design and work in complete rows from left to right and from bottom to top. When



Canvas 9116/130 · Latch hook

doing so, it is important to always knot over the double, horizontal cross-threads of the canvas and not over the vertical twisted threads. The first knot should start three stitches away from the edge, turned inwards.

These three rows are needed for the serged carpet seam, which ends up being worked over the turned-in canvas edge. The meshwork should be weighted down during latch hook so that it cannot slip, and it's best to work at the edge of a table. This makes it easier to insert the latch hook.

Smyrna canvas (820/130) is usually used to produce a thick carpet quality. In order to get the best result on this canvas, knot with either Smyrna wool, carpet wool or double-threaded Rya wool.

Fine Smyrna (955/180) knotted on with fine carpet wool or acrylic thread is recommended for a finer quality. ZWEIGART Twists (9106, 9116, 1136 or 9118) are another option for latch hook. This canvas es are knotted on with carpet wool or acrylic thread.



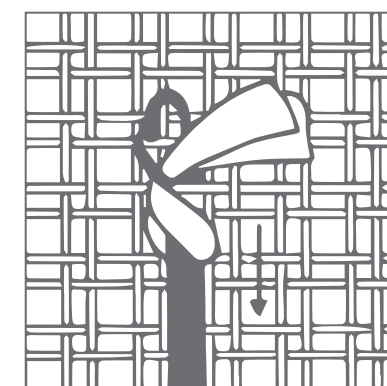
*Smyrna canvas, fine Smyrna and ZWEIGART Twist are most suitable for knotted carpets.*

## LOOP KNOTS

Lay a piece of wool with equally long ends around the latch hook. Hold both ends firmly and slide the latch hook flat under the paired cross-bar of the canvas until the small hinged hook makes its way through as well.

Turn the latch hook upwards slightly and pull it back until the small hinged hook lifts up. Now, place the wool ends loosely into the open hook.

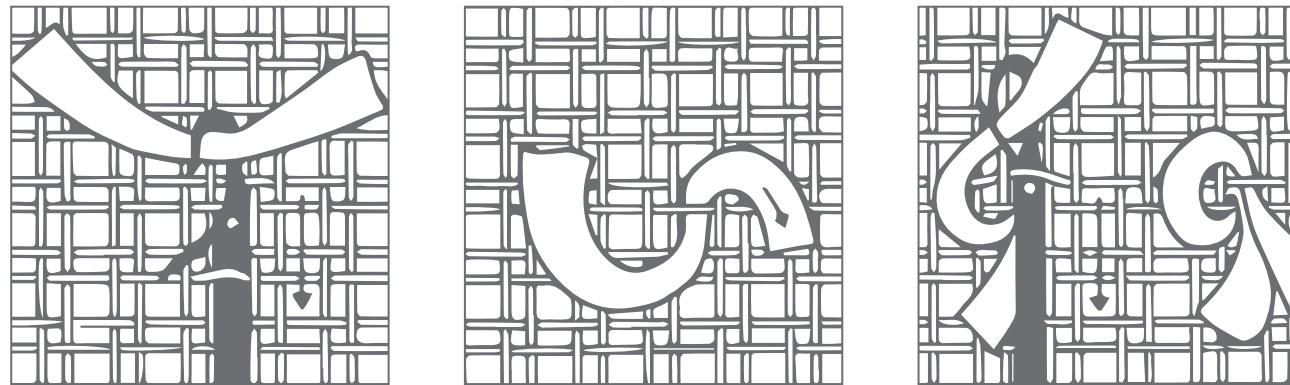
Turn the latch hook back flat and pull it backwards. This will close the small hinged hook and the knot will form automatically. Hold the base mesh firmly while pulling back.



## GHIORDES KNOT

First, pierce the latch hook through beneath the bottom thread of the paired cross-bar until the hinged hook has made its way through as well. Then place a piece of wool into the open hook. Hold one wool end firmly and pull the other one downwards and through.

The wool end being held, which protrudes outwards between the bar pair, is shorter and bent downwards for the next step in the work. Pierce the latch hook through beneath the upper cross-bar. Place the longer wool end into the open hook and pull it downwards. The small hinged hook will close in the process. Pull the knot tight with ends of equal length.



## EDGE FASTENINGS

There are several ways to fasten the edge of knotted carpets or wall hangings. The choice depends on the desired appearance.

### Turnover right at the knotted edge

There are four different ways to make this type of edge fastening. First, the knotted edge can be sewn with tight herringbone stitches.

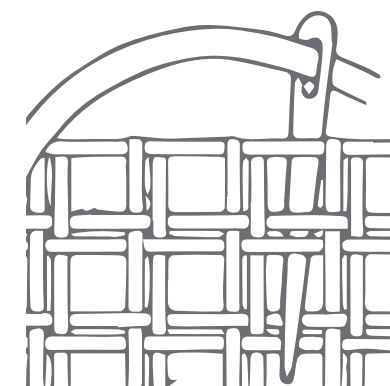
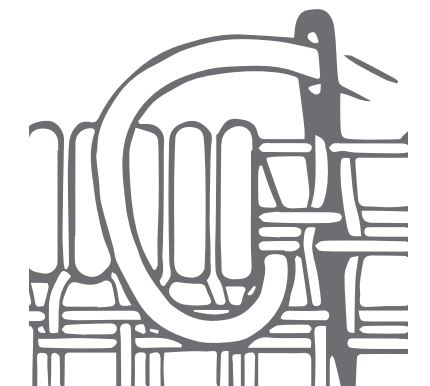
Another possibility is to finish the knotted edge with carpet tape. The best result is achieved with a carpet tape 5- 6 cm (2- 2.5") wide. Sew one edge of the tape to the outer edge of the canvas with sewing stitches, making sure to catch only the canvas in the process. Once the inside edge of the tape is firmly connected to the back side of the canvas, then the sewing work is complete. Keep pulling the textile tape smooth while sewing and make small folds where necessary. The third method is a

self-adhesive textile tape. After latch hook, cut the protruding edges of the canvas to size. While doing so, carefully follow the shape of the design and keep a distance of at least 5- 6 cm (2- 2.5") to the knotted surface, or a bit more than the width of the self-adhesive textile tape. Fold the canvas edge onto the back side and fasten it with small sewing stitches. Make sure to fasten the sewing stitches in the canvas – not the knots. With shaped carpets, gradually fold the protruding edge loosely onto the back side. Lining is the fourth possibility.

### Visible bordering

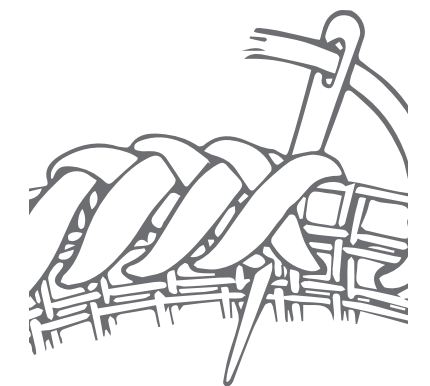
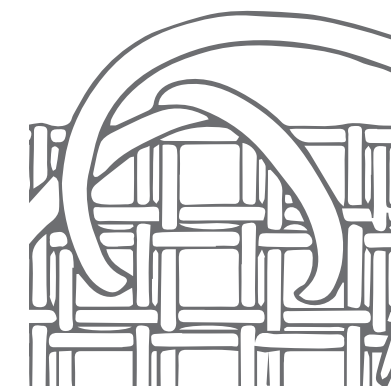
Serging with overedging satin stitches is one possibility. To do so, turn over the canvas two stitches away from the knotted edge and serge it tightly over the doubled canvas.

With a double-threaded canvas, serge between the paired groups of threads as well. With a twist canvas, pierce into the large holes twice.



The bordering can also be done with a braid stitch. To do so, turn over the canvas two stitches away from the knotted edge and work the braid stitch in back-and-forth stitches over the doubled canvas.

The canvas edge can also be crochet around or sewn around with wood edging.





## WASTE CANVAS

Waste canvas can be used to embroider non-countable fabrics such as clothing, bags, etc. with cross-stitch patterns. The term "waste canvas" is used because the individual threads of the canvas are given a special finish which dissolves in water. So if the canvas is dampened with water, then the individual threads of the canvas will separate from one another.

500 and 510 are canvases which can be used for this. These come in various numbers of stitches from 2.6 to 7 stitches (7ct. to 18 ct.), so that the size of the cross-stitches – and thus the size of the embroidered motif – can be determined yourself.

For the specific execution, cut the canvas 8 to 10 cm larger than the embroidered motif and staple it to the fabric. Once the motif has been fully embroidered, moisten the embroidery with a bit of water and use tweezers or similar to pull the canvas out of the embroidery thread by thread. This way, you can cleanly embroider a motif made with cross-stitching onto a non-countable fabric.



Embroidery threads from DMC, Anchor or Madeira can be used for this special form of cross-stitch embroidery. The number of the threads used depends on the number of stitches of the canvas used. The finer the canvas, the fewer threads are used when embroidering.

Waste canvas is a counting pattern for embroidering non-countable fabrics. The canvas is completely removed after embroidery.

The number of the threads used depends on the number of stitches of the canvas used. The finer the canvas, the fewer threads are used when embroidering.

Even though blunt needles are typically used for cross-stitch embroidery, pointy needles are

a good idea when using waste canvas. This is because most fabrics embroidered in this case have a

much tighter meshwork than normal evenweave fabrics, such as denim, jersey or other cotton fabrics.

Waste canvas makes it easy to individualise garments, bags, etc. and make real highlights out of them. In particular, the recent trend of "upcycling" shows that little highlights can be used to take old articles from the closet and make them fit for everyday use again. Beginners can get good results with this canvas too – and quickly.

Stitches	Embroidery threads
2,6 - 3,0 - 3,4	6 threads
3,8 - 4,0 - 4,4	4 threads
4,8 - 5,2 - 5,6	3 threads
6,0 - 7,0	2 threads



Stramin 500/60 · Cross stitch · jeans

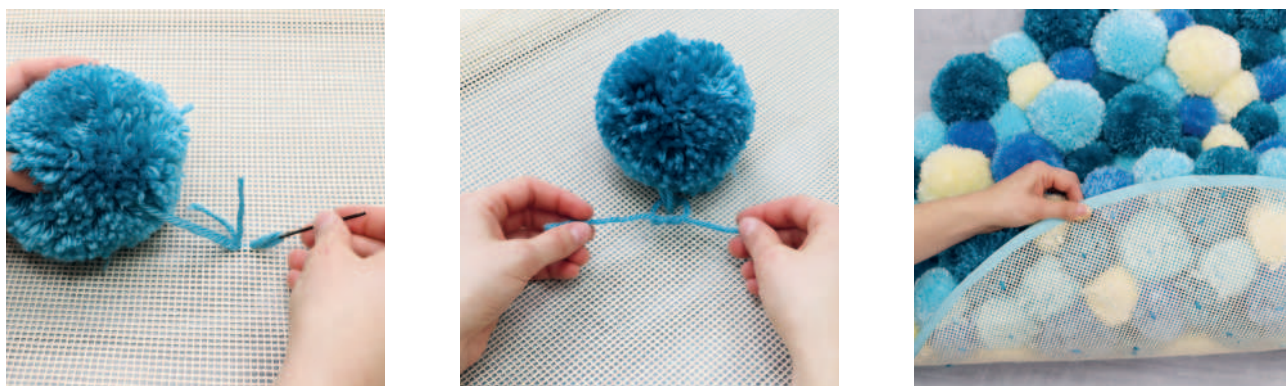


## POM-POM TECHNIQUE

Our canvases can be used not only to conjure up beautiful knotted carpets, but also as the basis for pom-pom rugs. Zweigart Twist (item no. 9699) is usually used for this. The pom-poms are easy to fasten to the canvas through the holes in the meshwork, making for quick success. Moreover, the twisted mesh threads make this canvas very sturdy, and it can be cut into any desired shape.

Many different kinds of wool yarn can be used for the pom-pom technique. Results turn out best when acrylic thread is used, because it makes the pom-poms nice and fluffy. How much wool is needed always depends on the thickness of the wool yarn and the tightness of the technique for winding the pom-poms. Prym offers a great set for this, which makes it easy as pie to wind the pom-poms very quickly.

The same edge fastenings as for the latch hook technique can be used to finish the rug. A clean closure is nicest and easiest to make with bias binding in a colour which goes well with the wool yarn used. The pom-poms can be fastened with either a large needle or a latch hook hook. But it's also easy to do with a regular hair clip. To do so, simply take the two threads protruding from the pom-pom and clamp them in the hair needle and then pull the hair needle through the two threads in the canvas.



Then wrap the threads around the pom-pom and tie the threads tightly with a double-knot. When doing so, pay attention to make sure that the pom-pom is seated closely to the canvas after being knotted, instead of dangling loosely. The threads can then be cut off with a bit of distance to the knot. After that, fasten all of the pom-poms with to the canvas with a spacing of 3- 6 cm. This will make the canvas look very neat and tidy from behind.

When using pom-poms in different colours, it is recommended to consider the pattern in which the pom-poms are later to be arranged on the canvas and capture it with a photo before starting to fasten the pom-poms to the canvas. This will make it easy to distribute the pom-poms as planned.





# SUSTAINABILITY

## ...SINCE 1877

Quality is one of the most important aspects of ZWEIGART® products and of the utmost importance in all properties of an item or product. The manufacturing process plays a decisive role in terms of the environment and use of resources, especially with textiles. ZWEIGART® places great value in responsible interaction with people and the environment, which is why we pay great attention to high-grade, sustainable raw materials at the purchasing stage in order to achieve the best and most environmentally friendly results possible during production.

*Quality and responsible resource management – a philosophy which ZWEIGART® has practiced for over 140 years.*

Our goal is to create a win-win situation for all parties involved all the way to the end consumer thanks to an efficient product chain and the good quality that results. As a German weaving enterprise with decades of experience in manufacturing top-grade needlework fabrics and textiles of various kinds, ZWEIGART® is extremely conscious of the environment and the conditions under which our fabrics and products are made.

We work together with selected raw material suppliers who take compliance as serious as we do and focus on ensuring that the raw materials we use are best quality without exception. The majority of our products are made of renewable raw materials such as cotton, linen and potato starch. All of our dyes and chemicals are certified and approved according to the EU-REACH Regulation for Chemicals and thus offer top-notch consumer safety.

Our entire fleet of machines, from dobby and Jacquard weaving machines to dyeing and finishing equipment is resource-friendly and consumes minimal amounts of energy and water.

In Germany, we are furthermore required to comply with the highest of standards in the fields of environment, wastewater and worker safety. On top of that, we are certified as per ISO 9001 and work continuously to make our company's energy management even more efficient.

As a full-fledged manufacturing establishment with production in the German town of Sindelfingen,

"100% Made in Germany" is the principle we've worked under and taken great pride in since 1877.

All of our high-grade, easy-care needlework fabrics are produced exclusively at our headquarters in Germany – in accordance with the strictest standards for the production of textiles! Our fabrics are easy to recognise everywhere by our trademark and seal of quality: the **ORANGE LINE** – an orange thread woven into the edge of all our needlework fabrics.

ZWEIGART® produces quality textiles you can trust. Our fabrics are easy to recognise everywhere by our trademark and seal of quality: the **ORANGE LINE**.





# KEYWORD INDEX

## Finish

A necessary finish lends the fabric a firmness which makes it easier to embroider. With ZWEIGART® canvases such as waste canvas.

## Binding

Crossing of threads done according to specific rules is referred to as binding. The number of warp and weft threads and the tightness and looseness of the yarns are the decisive factors for the quality of a fabric or canvas.

## Twist canvas

This canvas is a special fabric in which two warp threads each turn around weft threads. It resembles the single-stranded canvas, but here the threads can not be moved due to the leno weave and result in a high surface stability.

## Counted embroidery

Counted embroidery is a form of embroidery in which a specific number of mesh threads or thread groups is embroidered following the course of the thread.

## Woven chequers

The arrangement of warp and weft threads which form a visible group in the meshwork is referred to as woven chequers.

## Mono canvas

It is a single-threaded canvas. It is plain-woven, meaning that the vertical warp and horizontal weft move up and down and cross at the same distance – all openings between the threads are woven checkers. The mesh threads are stiffened with a finish so that they stay in shape.

## Bars

With canvas, "bars" refer to the threads which separate each of the holes in the meshwork from one another. A bar may be made up of a different number of mesh threads depending on the quality of the canvas. With mono canvas, a bar consists of just a single weaving thread. With double-threaded

canvas, a bar is made up of two mesh threads. With twist canvases, a bar is also made up of two mesh threads, one of which is in twisted form.

## Stitch

There are countless different stitches in embroidery. The embroidery stitch to be used is selected depending on the desired appearance and the chosen mesh.

## Tapestry technique

A characteristic feature of tapestry is that it is embroidered on canvas. In the process, the canvas is completely covered by embroidery stitches, meaning that both the motif and the background are embroidered on. It is one of the oldest embroidery techniques, widespread for centuries throughout the world, including Asia, Southern Europe, France, England and Greece.

## Tracing

Patterns are pre-tensioned in colour between the two closely-packed mesh threads and then embroidered over. On double-threaded canvas, particularly fine pattern fields such as faces can only be embroidered using a single weaving thread, even with split or thinner thread, which means there isn't just one stitch for patterning at these places, but four.

## Waste canvas

Waste canvas can be used to embroider non-countable fabrics such as clothing, bags, etc. with cross-stitch patterns. The term "waste canvas" is used because the individual threads of the canvas are given a special finish which dissolves in water. So if the canvas is dampened with water, then the individual threads of the canvas will separate from one another. 500 and 510 are canvases which can be used for this.

## Double-threaded canvases

These canvases are plain-woven, except the spaces between the mesh threads are not equal. Instead, it has two threads packed close together, forming a stable woven checker made up of two warp and two weft threads. With double-threaded canvas, the fineness is not indicated with the number of mesh threads, but with the number of woven checkers. The opening or puncture site between the woven checkers is large and simplifies counting and embroidering.

# stitch with love

creative fabrics • made in Germany

As a German weaving company our passion lies in the development and production of high-quality needlework fabrics.

Our trademark is the "Orange Line". The orange thread is woven into the edge of all the ZWEIGART® fabrics and means: Top-quality production. High-grade fabrics, washable, easy-care and woven with absolute precision: that is ZWEIGART® Made in Germany.

The special thing about all ZWEIGART® canvases: they are woven absolutely straight & square – a guarantee for best results. Canvases from ZWEIGART® are woven from sturdy, evenly rounded multiple threads, heavily finished and feature a square and stitch-precise surface. All canvases are 100% made at the company's headquarters in Sindelfingen, Germany.

Further information on our homepage at [www.zweigart.com](http://www.zweigart.com).



**ZWEIGART®**

**Zweigart & Sawitzki**

Postfach 120

D-71043 Sindelfingen

[www.zweigart.com](http://www.zweigart.com)