



# KRUUSE Suture

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# KRUUSE Suture



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# KRUUSE Suture

The KRUUSE suture range is specifically tailored to the veterinary market based on wishes and requirements from KRUUSE's own customers and key opinion leaders.

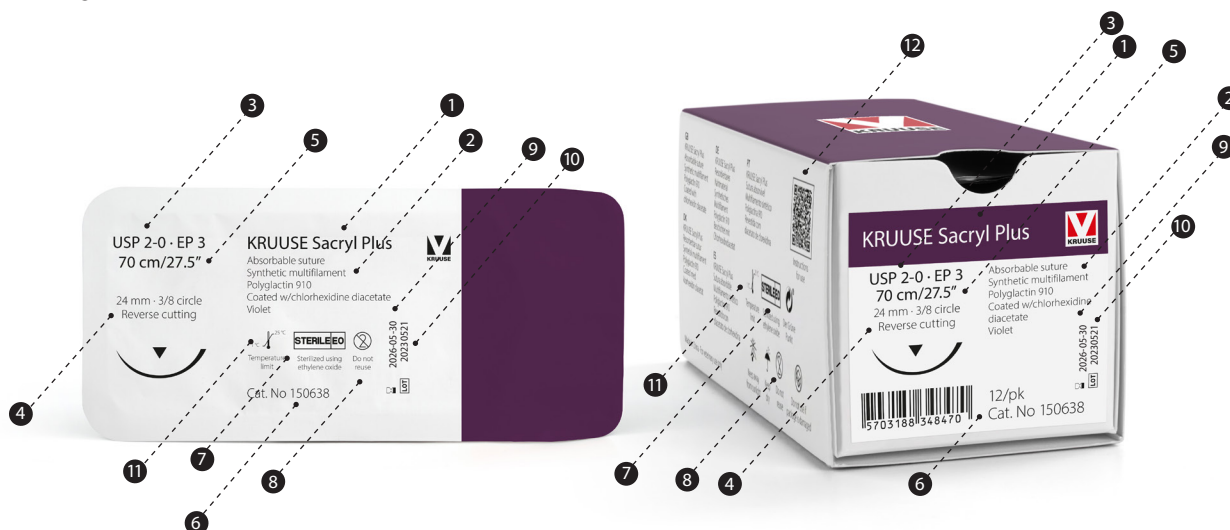
KRUUSE high quality sutures are easy to use, and you can choose from a wide range of lengths and sizes making daily life in veterinary practices so much easier.

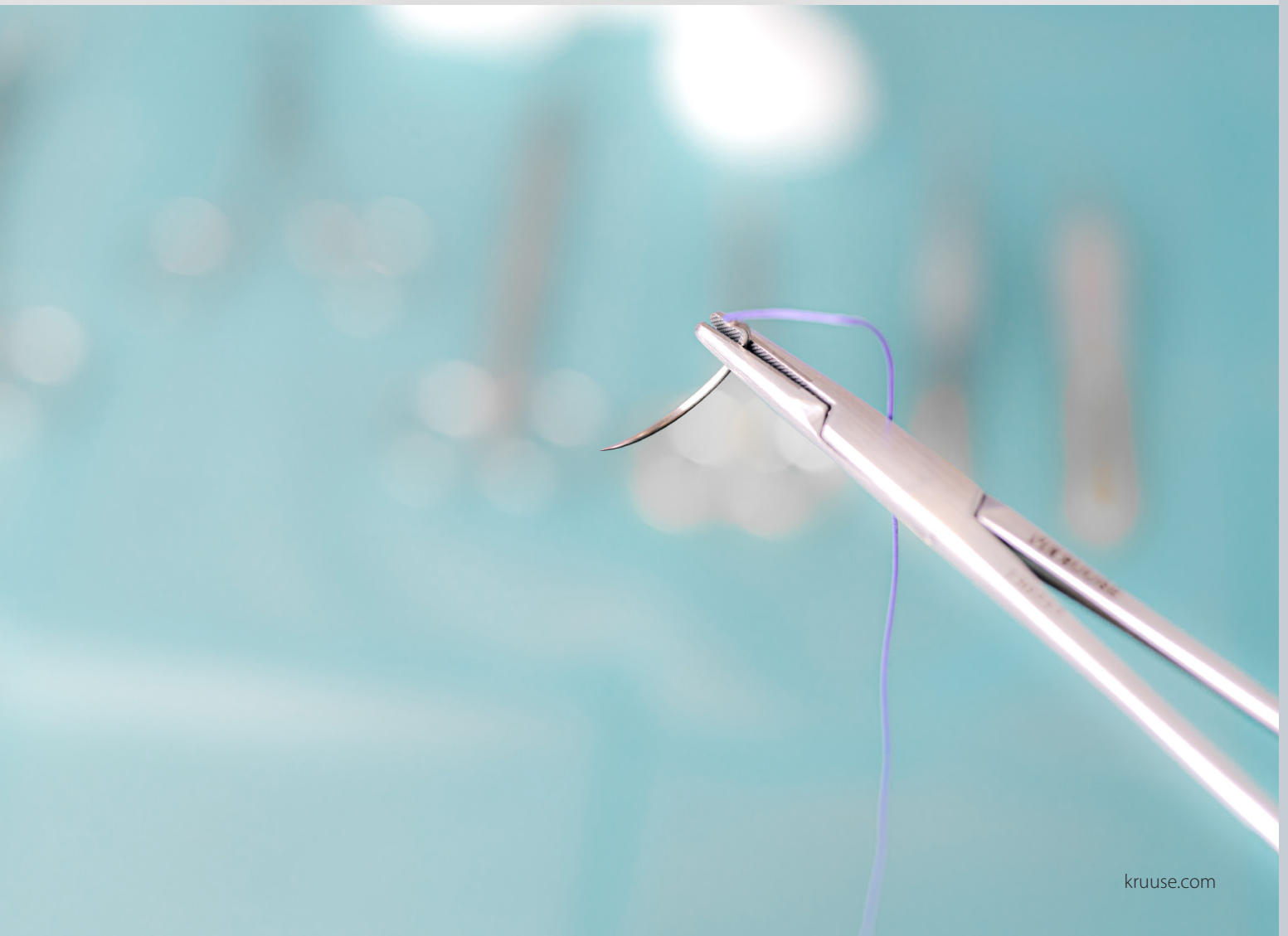
The package labelling is clear and concise making it easy to choose the proper suture and needle. The competitive prices and smaller packages enable small practices to have a wider range of sutures without making huge investments.

# KRUUSE Suture

## Package labelling

- |                                                |                          |
|------------------------------------------------|--------------------------|
| 1. Product name                                | 7. Sterilisation method  |
| 2. Chemical composition and suture description | 8. Do no reuse           |
| 3. Suture size                                 | 9. Expiry date           |
| 4. Needle characteristics and symbol           | 10. Batch number         |
| 5. Suture length                               | 11. Storage temperature  |
| 6. Catalogue number                            | 12. Instructions for use |







## Pharmacopoeia

American and European Pharmacopoeia

The European Pharmacopoeia (EP) uses the metric system for classifying suture size, whereas the American Pharmacopoeia classifies sutures in USP.

In the chart below you will find both USP and EP as well as the suture diameter range in mm.

All KRUISE Sutures comply with the requirements of USP and EP.



American Pharmacopoeia USP	European Pharmacopoeia EP	Suture diameter
Absorbable and non-absorbable sutures	Absorbable and non-absorbable sutures	mm range
USP size	EP/metric size	mm
8-0	0.4	0.04-0.049
7-0	0.5	0.05-0.069
6-0	0.7	0.07-0.099
5-0	1	0.1-0.149
4-0	1.5	0.15-0.199
3-0	2	0.2-0.249
2-0	3	0.25-0.349
0	3.5	0.35-0.399
1	4	0.4-0.499
2	5	0.5-0.599
3+4	6	0.6-0.699
5	7	0.7-0.799
6	8	0.8-0.899
7	9	0.9-0.999
8	10	1.0-1.099

# Needles

All KRUUSE suture needles are made of high-quality steel. They are specifically selected with focus on high bending force and low penetration force to give the user optimal conditions for performing surgical procedures.

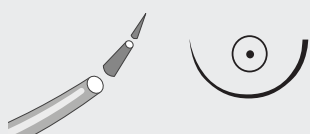


## Choose the proper needle

### Round needles

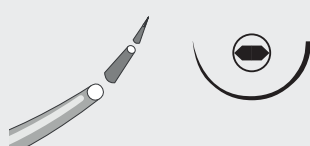
#### Round bodied taper point needle

Taper point provides easy and tissue-preserving penetration



#### Round bodied taper point extra needles

Oval cross section. The design enables easy tissue layers penetration



#### Round bodied taper cut needle

Cutting provides smooth and easy penetration in tough tissues for less tissue trauma



### Cutting needles

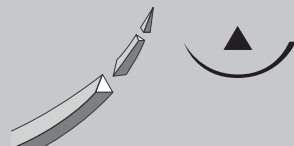
#### Reverse cutting needle

Triangular cross section shape with outside apex cutting edge to facilitate tissue penetration



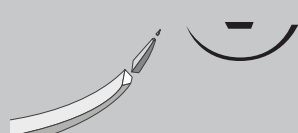
#### Conventional cutting needle

Triangular cross section shape. Cuts with the inner curve



#### Micro point spatula needle

Perfect for ophthalmic surgery. Extremely sharp cutting edge



#### Trocar point needle

KRUUSE trocar point needles are straight. Trocar point with very sharp tip. Often used for skin



### Needle shapes

#### 3/8 circle



#### 1/2 circle



#### Compound curved

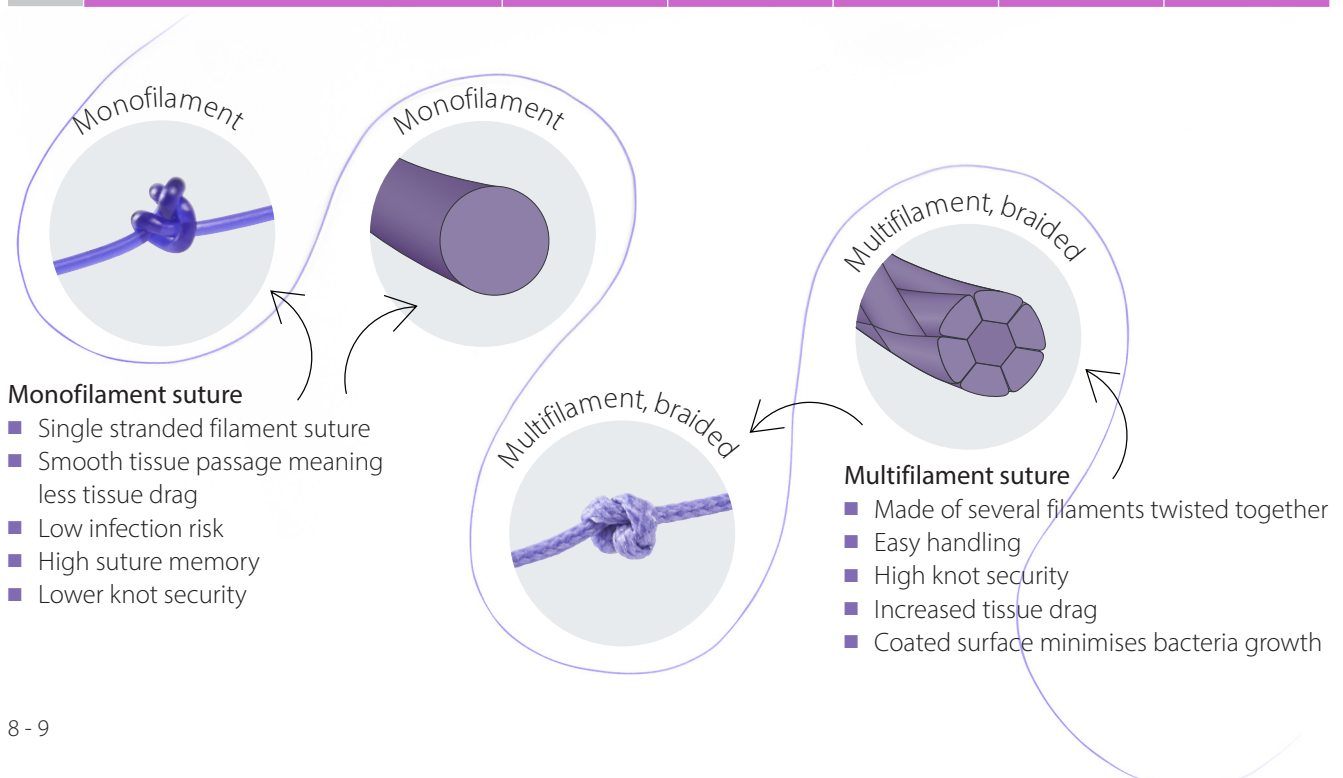


#### Straight



# Tensile strength overview

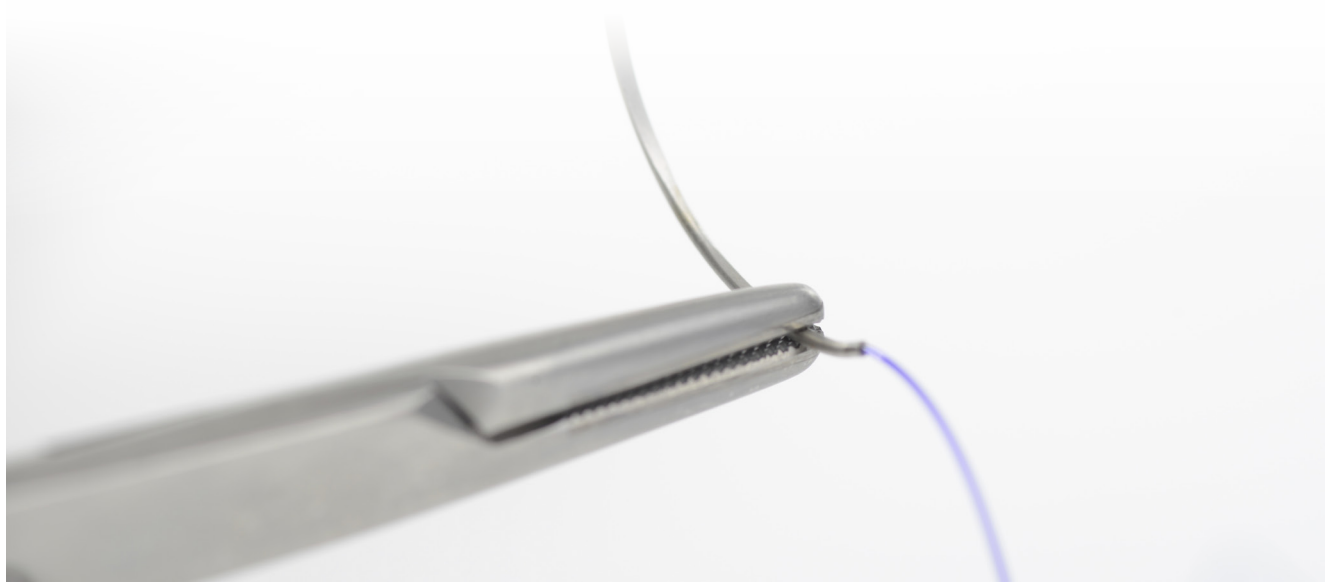
Type	Suture	Instructions for use	Remaining tensile strength, postoperative days				
			7 days	14 days	21 days	28 days	Complete mass absorption
Monofilament	 KRUUSE Monofast		65%	40%			90-120 days
	 KRUUSE Monofast Plus		65%	40%			90-120 days
	 KRUUSE PD-X			75%	65%	50%	180-220 days
	 KRUUSE PD-X Plus			75%	65%	50%	180-220 days
Multifilament	 KRUUSE Sacryl			75%	40%	20%	56-70 days
	 KRUUSE Sacryl Plus			75%	40%	20%	56-70 days
	 KRUUSE Sacryl Rapid		55%	20%	5%		42-56 days
	 KRUUSE PGA			75%	40%		60-90 days





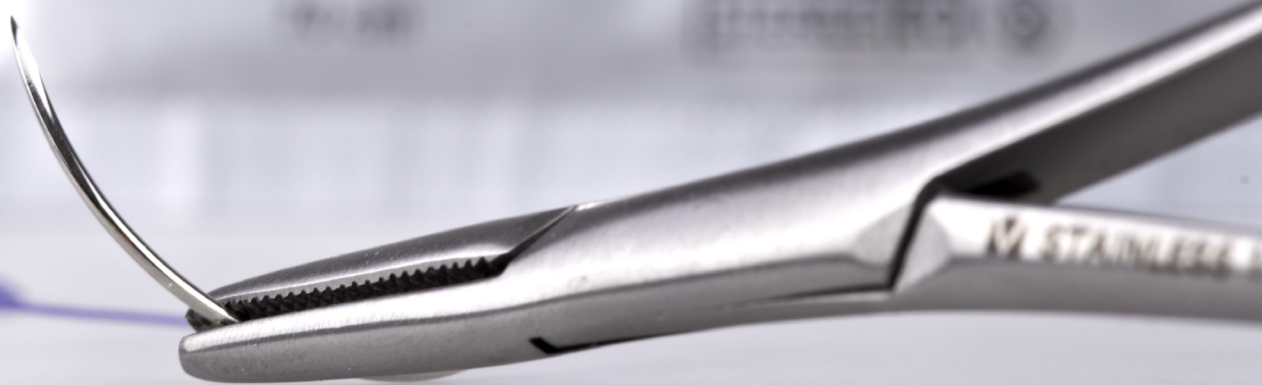
# Shelf life and package size

Type	Suture	Shelf life	Packaging	
			Peel pack 12/pk	Cassette 1/pk
Absorbable	<p>KRUUSE Monofast</p>	3 years		
	<p>KRUUSE Monofast Plus</p>	3 years		
	<p>KRUUSE PD-X</p>	5 years		
	<p>KRUUSE PD-X Plus</p>	5 years		
	<p>KRUUSE Sacryl</p>	5 years		
	<p>KRUUSE Sacryl Plus</p>	5 years		
	<p>KRUUSE Sacryl Rapid</p>	3 years		
	<p>KRUUSE PGA</p>	5 years		



# Absorbable Sutures

## Monofilament



## KRUUSE Monofast

### Description

KRUUSE Monofast Suture is a synthetic, absorbable, monofilament, sterile suture composed of polyglycolide-co-caprolactone.

KRUUSE Monofast Suture is available undyed and violet.

### Days post surgery      Remaining tensile strength

7 days	65%
14 days	40%

*Complete mass absorption in approximately 90-120 days.*

### Indications

KRUUSE Monofast is commonly used in soft tissues and ligation where absorbable sutures are indicated, including:

- Blood vessel ligation
- Ductus ligation
- Intra-dermal closure
- Oral mucosa/gingival approximation
- Subcutaneous approximation
- Urological surgery

### Contraindications

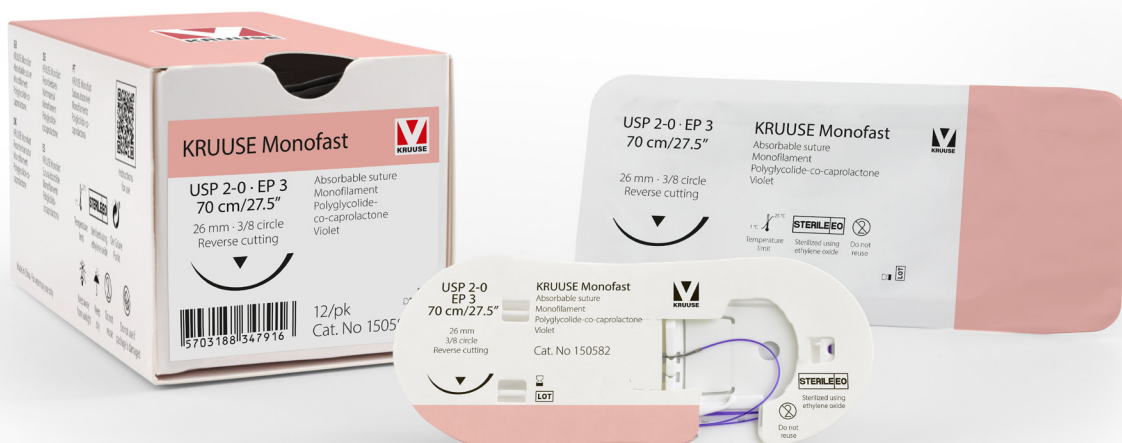
- Where prolonged support from suturing is required

### Range


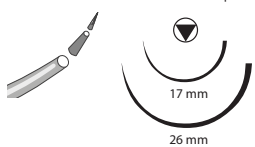
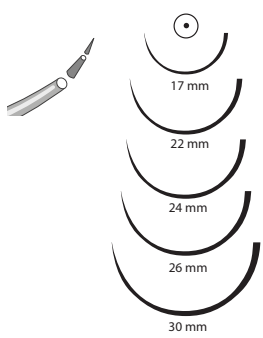
- USP 5-0 to 1
- EP 1 to 4

### Sterilisation method

- EO

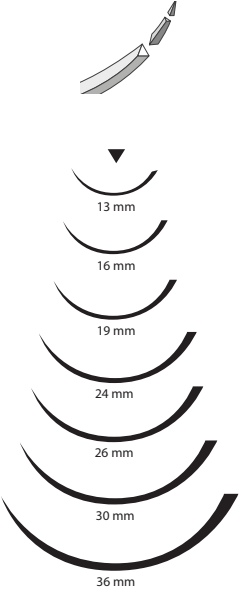


# KRUUSE Monofast




Cat. No	Shape of needle	USP	EP	Suture length	Needle length	Colour	Package
150616	1/2 circle, reverse cutting 	0	3.5	90 cm / 35.5"	36 mm	● Violet	12/pk
150612	1/2 circle, round bodied, taper cut 	3-0	2	70 cm / 27.5"	26 mm	● Violet	12/pk
150623		4-0	1.5	70 cm / 27.5"	17 mm	● Violet	12/pk
150607		5-0	1	70 cm / 27.5"	17 mm	● Violet	12/pk
150621	1/2 circle, round bodied, taper point 	0	3.5	70 cm / 27.5"	30 mm	● Violet	12/pk
150602		2-0	3	70 cm / 27.5"	26 mm	● Violet	12/pk
150625		2-0	3	70 cm / 27.5"	26 mm	● Violet	12/pk
150583		3-0	2	70 cm / 27.5"	26 mm	● Violet	12/pk
150620		3-0	2	70 cm / 27.5"	22 mm	● Violet	12/pk
150595		4-0	1.5	70 cm / 27.5"	24 mm	● Violet	12/pk
150596		4-0	1.5	70 cm / 27.5"	17 mm	● Violet	12/pk



# KRUUSE Monofast

Cat. No	Shape of needle	USP	EP	Suture length	Needle length	Colour	Package
150606	3/8 circle, reverse cutting	0	3.5	70 cm / 27.5"	26 mm	● Violet	12/pk
150609		0	3.5	70 cm / 27.5"	30 mm	● Violet	12/pk
150611		1	4	70 cm / 27.5"	36 mm	● Violet	12/pk
150582		2-0	3	70 cm / 27.5"	26 mm	● Violet	12/pk
150589		2-0	3	70 cm / 27.5"	24 mm	● Violet	12/pk
150601		2-0	3	90 cm / 35.5"	24 mm	● Violet	12/pk
150603		2-0	3	70 cm / 27.5"	24 mm	○ Undyed	12/pk
150605		2-0	3	70 cm / 27.5"	26 mm	○ Undyed	12/pk
150580		3-0	2	70 cm / 27.5"	19 mm	● Violet	12/pk
150581		3-0	2	70 cm / 27.5"	26 mm	● Violet	12/pk
150588		3-0	2	70 cm / 27.5"	19 mm	○ Undyed	12/pk
150590	3-0	2	70 cm / 27.5"	24 mm	○ Undyed	12/pk	
150591	3-0	2	70 cm / 27.5"	24 mm	● Violet	12/pk	
150592	3-0	2	90 cm / 35.5"	24 mm	● Violet	12/pk	
150610	3-0	2	45 cm / 18"	19 mm	○ Undyed	12/pk	
150618	3-0	2	45 cm / 18"	19 mm	● Violet	12/pk	
150585	4-0	1.5	70 cm / 27.5"	19 mm	● Violet	12/pk	
150587	4-0	1.5	70 cm / 27.5"	19 mm	○ Undyed	12/pk	
150597	4-0	1.5	90 cm / 35.5"	19 mm	● Violet	12/pk	
150598	4-0	1.5	45 cm / 18"	13 mm	● Violet	12/pk	
150599	4-0	1.5	45 cm / 18"	16 mm	● Violet	12/pk	
150604	4-0	1.5	45 cm / 18"	19 mm	○ Undyed	12/pk	
150615	4-0	1.5	45 cm / 18"	16 mm	○ Undyed	12/pk	
150622	4-0	1.5	45 cm / 18"	13 mm	○ Undyed	12/pk	
150584	5-0	1	70 cm / 27.5"	13 mm	● Violet	12/pk	
150586	5-0	1	45 cm / 18"	13 mm	● Violet	12/pk	
150593	5-0	1	70 cm / 27.5"	16 mm	● Violet	12/pk	
150594	5-0	1	45 cm / 18"	13 mm	○ Undyed	12/pk	

# KRUUSE Monofast

Cat. No	Shape of needle	USP	EP	Suture length	Needle length	Colour	Package
150608	3/8 circle, round bodied, taper point 	4-0	1.5	70 cm / 27.5"	16 mm	● Violet	12/pk
150600	Compound curve, round bodied, taper cut 	5-0	1	45 cm / 18"	13 mm	● Violet	12/pk
150613		5-0	1	45 cm / 18"	13 mm	○ Undyed	12/pk





## KRUUSE Monofast Plus

### Description

KRUUSE Monofast Plus Suture is a synthetic, absorbable, monofilament, sterile, surgical suture composed of polyglycolide-co-caprolactone.

The suture contains chlorhexidine diacetate, a broad-spectrum antibacterial agent, at no more than 60µg/m. The suture is available dyed violet.

Days post surgery	Remaining tensile strength
7 days	65%
14 days	40%

Complete mass absorption in approximately 90-120 days.

### Indications

KRUUSE Monofast is commonly used in soft tissues and ligation where absorbable sutures are indicated, including:

- Blood vessel ligation
- Ductus ligation
- Intra-dermal closure
- Oral mucosa/gingival approximation
- Subcutaneous approximation
- Urological surgery

### Contraindications

This suture, being absorbable, should not be used where extended approximation of tissues under stress is required. KRUUSE Monofast Plus Suture should not be used in patients with known allergic reactions to chlorhexidine diacetate.






### Range

- USP 5-0 to 2-0
- EP 1 to 3

### Sterilisation method



## KRUUSE Monofast Plus

Cat. No	Shape of needle	USP	EP	Suture length	Needle length	Colour	Package
150624	1/2 circle, round bodied, taper point 	4-0	1.5	70 cm / 27.5"	17 mm	● Violet	12/pk
150626	 17 mm	5-0	1	70 cm / 27.5"	17 mm	● Violet	12/pk
150619	3/8 circle, reverse cutting 	2-0	3	70 cm / 27.5"	24 mm	● Violet	12/pk
150614	 19 mm	3-0	2	70 cm / 27.5"	24 mm	● Violet	12/pk
150617	 24 mm	4-0	1.5	70 cm / 27.5"	19 mm	● Violet	12/pk





## KRUUSE PD-X

### Description

KRUUSE PD-X Suture is a synthetic, absorbable, monofilament, sterile suture composed of polydioxanone.

KRUUSE PD-X Suture is available dyed violet.

Days post surgery	Remaining tensile strength
14 days	75%
28 days	65%
42 days	50%

Complete mass absorption in approximately 180-220 days.

### Indications

KRUUSE PD-X is commonly used in soft tissues and ligation where absorbable sutures are indicated, including:

- Ductus ligation
- Gynaecology and obstetrics
- GI surgery
- Facia approximation
- Joint capsula closure
- Ligament ligation
- Linia alba
- Urological surgery

### Contraindications

This suture, being absorbable, should not be used where prolonged (beyond 6 weeks) approximation of tissues under stress is required and is not to be used in conjunction with prosthetic devices, for example, heart valves or synthetic grafts.

### Range

- USP 7-0 to 2
- EP 0.5 to 5

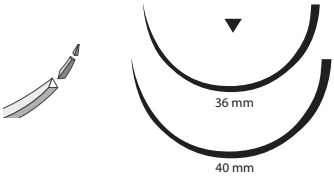
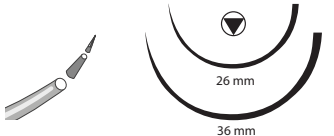
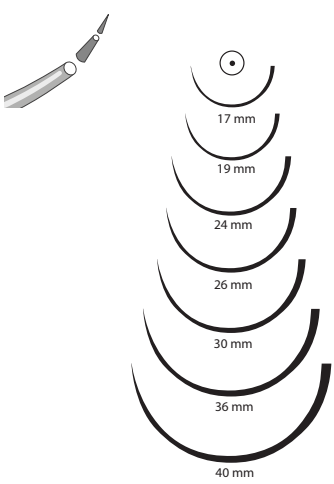

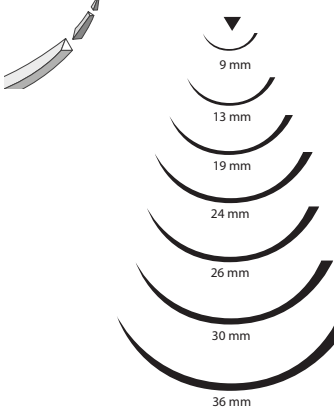
### Sterilisation method

- EO





# KRUUSE PD-X

Cat. No	Shape of needle	USP	EP	Suture length	Needle length	Colour	Package
150718	1/2 circle, reverse cutting	0	3.5	70 cm / 27.5"	36 mm	● Violet	12/pk
150725		1	4	70 cm / 27.5"	36 mm	● Violet	12/pk
150738		2	5	70 cm / 27.5"	40 mm	● Violet	12/pk
150721		2-0	3	70 cm / 27.5"	36 mm	● Violet	12/pk
150729	1/2 circle, round bodied, taper cut	0	3.5	70 cm / 27.5"	36 mm	● Violet	12/pk
150720		2-0	3	70 cm / 27.5"	26 mm	● Violet	12/pk
150739		2-0	3	70 cm / 27.5"	36 mm	● Violet	12/pk
150722	1/2 circle, round bodied, taper point	0	3.5	70 cm / 27.5"	30 mm	● Violet	12/pk
150733		0	3.5	70 cm / 27.5"	26 mm	● Violet	12/pk
150741		0	3.5	90 cm / 35.5"	40 mm	● Violet	12/pk
150735		1	4	70 cm / 27.5"	36 mm	● Violet	12/pk
150714		2-0	3	70 cm / 27.5"	26 mm	● Violet	12/pk
150726		2-0	3	70 cm / 27.5"	40 mm	● Violet	12/pk
150713		3-0	2	70 cm / 27.5"	26 mm	● Violet	12/pk
150728		3-0	2	70 cm / 27.5"	26 mm	● Violet	12/pk
150734		3-0	2	70 cm / 27.5"	17 mm	● Violet	12/pk
150742		3-0	2	70 cm / 27.5"	30 mm	● Violet	12/pk
150715		4-0	1.5	70 cm / 27.5"	24 mm	● Violet	12/pk
150727		4-0	1.5	45 cm / 18"	19 mm	● Violet	12/pk
150737		3/8 circle, conventional cutting	2-0	3	70 cm / 27.5"	36 mm	● Violet
150723		3-0	2	70 cm / 27.5"	26 mm	● Violet	12/pk
150717		3/8 circle, reverse cutting	0	3.5	70 cm / 27.5"	30 mm	● Violet
150724		1	4	70 cm / 27.5"	36 mm	● Violet	12/pk
150711		2-0	3	70 cm / 27.5"	26 mm	● Violet	12/pk
150712		3-0	2	70 cm / 27.5"	26 mm	● Violet	12/pk
150716		3-0	2	70 cm / 27.5"	19 mm	● Violet	12/pk
150719		4-0	1.5	70 cm / 27.5"	19 mm	● Violet	12/pk
150736		4-0	1.5	70 cm / 27.5"	24 mm	● Violet	12/pk
150731		5-0	1	45 cm / 18"	13 mm	● Violet	12/pk
150730		7-0	0.5	45 cm / 18"	9 mm	● Violet	12/pk



## KRUUSE PD-X Plus

### Description

KRUUSE PD-X Plus Suture is a synthetic, absorbable, monofilament, sterile, surgical suture composed of polydioxanone. The suture contains chlorhexidine diacetate, a broad-spectrum antibacterial agent, at no more than 60µg/m. The suture is available dyed violet

Days post surgery	Remaining tensile strength
14 days	75%
28 days	65%
42 days	50%

Complete mass absorption in approximately 180-220 days.

### Indications

KRUUSE PD-X Plus is commonly used in soft tissues and ligation where absorbable sutures are indicated, including:

- Ductus ligation
- Gynaecology and obstetrics
- GI surgery
- Facia approximation
- Joint capsula closure
- Ligament ligation
- Linia alba
- Urological surgery

### Contraindications

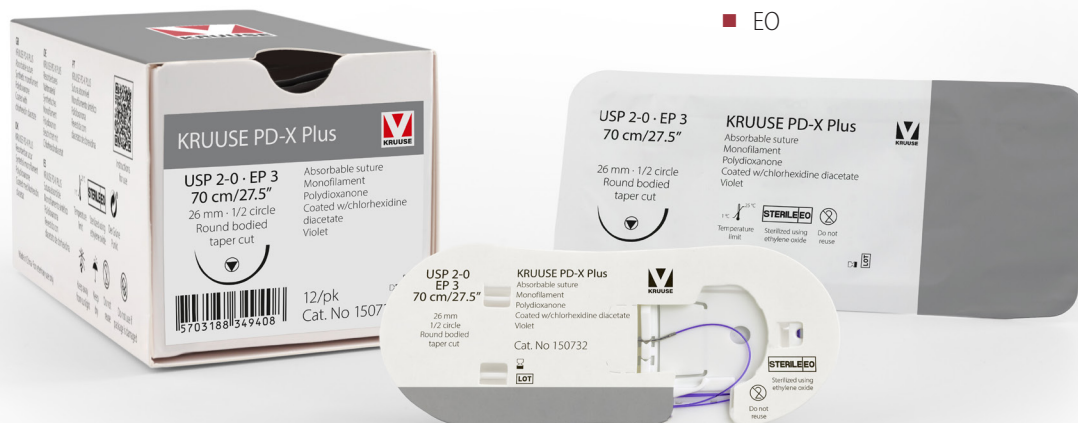
This suture, being absorbable, should not be used where prolonged (beyond 6 weeks) approximation of tissues under stress is required and is not to be used in conjunction with prosthetic devices, for example, heart valves or synthetic grafts. KRUUSE PD-X Plus Suture should not be used in patients with known allergic reactions to chlorhexidine diacetate.

### Range




- USP 3-0 and 2-0
- EP 2 and 3

### Sterilisation method

- EO



# KRUUSE PD-X Plus

Cat. No	Shape of needle	USP	EP	Suture length	Needle length	Colour	Package
150732	1/2 circle, round bodied, taper cut 	2-0	3	70 cm / 27.5"	26 mm	● Violet	12/pk
150740	1/2 circle, round bodied, taper point 	3-0	2	70 cm / 27.5"	26 mm	● Violet	12/pk
150743		2-0	3	70 cm / 27.5"	26 mm	● Violet	12/pk



# Absorbable Sutures

## Multifilament



### KRUUSE Sacryl

#### Description

KRUUSE Sacryl Suture is a synthetic, absorbable, multifilament, sterile surgical suture composed of Polyglactin 910. KRUUSE Sacryl Suture is available undyed and dyed violet and uniformly coated with polyglycolide-co-lactide (30/70) and calcium stearate.

Days post surgery	Remaining tensile strength
14 days	75%
21 days	40%
28 days	20%

*Complete mass absorption in approximately 56-70 days.*

#### Indications

KRUUSE Sacryl Sutures are indicated for soft tissue approximation and ligation, where absorbable sutures are indicated, including:

- Blood vessel ligation
- Ductus ligation
- Gynaecology and obstetrics
- Ligament ligation
- Linia alba
- Muscle repairment and approximation
- Periocular surgery
- Subcutaneous approximation

#### Contraindications

Where permanent support is required

#### Range

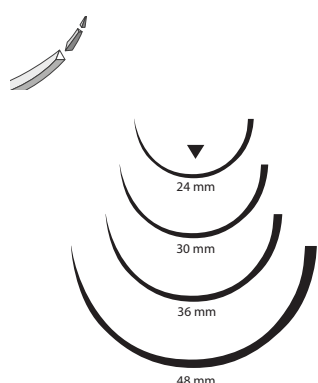
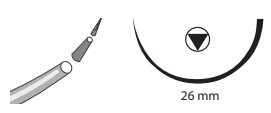
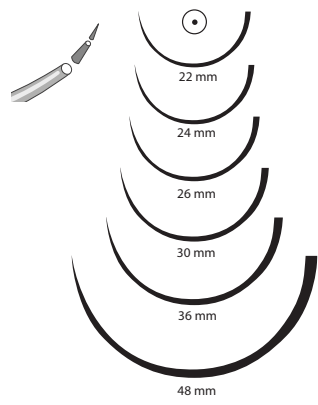
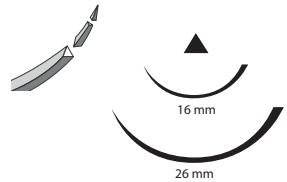

- USP 8-0 to 2
- EP 0.4 to 5

#### Sterilisation method

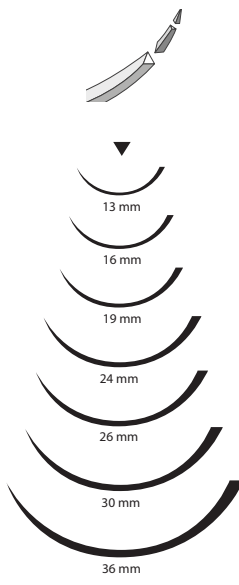
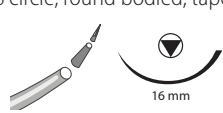

- EO



# KRUUSE Sacryl

Cat. No	Shape of needle	USP	EP	Suture length	Needle length	Colour	Package
150642	1/2 circle, reverse cutting 	0	3.5	70 cm / 27.5"	36 mm	● Violet	12/pk
150666		0	3.5	90 cm / 35.5"	48 mm	● Violet	12/pk
150660		1	4	90 cm / 35.5"	48 mm	● Violet	12/pk
150664		2	5	90 cm / 35.5"	48 mm	● Violet	12/pk
150647		2-0	3	70 cm / 27.5"	36 mm	● Violet	12/pk
150676		2-0	3	70 cm / 27.5"	30 mm	● Violet	12/pk
150663		3-0	2	70 cm / 27.5"	24 mm	● Violet	12/pk
150669	1/2 circle, round bodied, taper cut 	2-0	3	70 cm / 27.5"	26 mm	● Violet	12/pk
150653		3-0	2	70 cm / 27.5"	26 mm	● Violet	12/pk
150646	1/2 circle, round bodied, taper point 	0	3.5	70 cm / 27.5"	30 mm	● Violet	12/pk
150661		1	4	70 cm / 27.5"	36 mm	● Violet	12/pk
150657		2	5	90 cm / 35.5"	48 mm	● Violet	12/pk
150631		2-0	3	70 cm / 27.5"	26 mm	● Violet	12/pk
150634		3-0	2	70 cm / 27.5"	26 mm	● Violet	12/pk
150641		3-0	2	70 cm / 27.5"	22 mm	● Violet	12/pk
150649		4-0	1.5	70 cm / 27.5"	24 mm	● Violet	12/pk
150680		3/8 circle, conventional cutting 	2-0	3	70 cm / 27.5"	26 mm	○ Undyed
150654	3-0		2	70 cm / 27.5"	16 mm	● Violet	12/pk
150674	3-0		2	70 cm / 27.5"	26 mm	○ Undyed	12/pk
150683	5-0		1	70 cm / 27.5"	16 mm	● Violet	12/pk
150665	3/8 circle, micropoint spatula 	8-0	0.4	30 cm / 11.8"	6.5 mm	● Violet	12/pk

# KRUUSE Sacryl

Cat. No	Shape of needle	USP	EP	Suture length	Needle length	Colour	Package
150632		0	3.5	70 cm / 27.5"	30 mm	● Violet	12/pk
150644		1	4	70 cm / 27.5"	36 mm	● Violet	12/pk
150628		2-0	3	70 cm / 27.5"	24 mm	● Violet	12/pk
150630		2-0	3	70 cm / 27.5"	30 mm	● Violet	12/pk
150655		2-0	3	70 cm / 27.5"	36 mm	● Violet	12/pk
150658		2-0	3	70 cm / 27.5"	26 mm	○ Undyed	12/pk
150670		2-0	3	90 cm / 35.5"	24 mm	● Violet	12/pk
150627		3-0	2	70 cm / 27.5"	24 mm	● Violet	12/pk
150629		3-0	2	70 cm / 27.5"	19 mm	● Violet	12/pk
150636		3-0	2	45 cm / 18"	19 mm	● Violet	12/pk
150639		3-0	2	70 cm / 27.5"	30 mm	● Violet	12/pk
150671		3-0	2	90 cm / 35.5"	24 mm	● Violet	12/pk
150681		3-0	2	70 cm / 27.5"	24 mm	● Violet	12/pk
150633		4-0	1.5	70 cm / 27.5"	19 mm	● Violet	12/pk
150643		4-0	1.5	70 cm / 27.5"	24 mm	● Violet	12/pk
150662		4-0	1.5	45 cm / 18"	19 mm	● Violet	12/pk
150640		5-0	1	45 cm / 18"	16 mm	● Violet	12/pk
150682		5-0	1	45 cm / 18"	19 mm	● Violet	12/pk
150656		6-0	0.7	45 cm / 18"	13 mm	● Violet	12/pk
150684	3/8 circle, round bodied, taper cut 	5-0	1	70 cm / 27.5"	16 mm	● Violet	12/pk
150648	Without needle	0	3.5	150 cm / 59"	Without needle	● Violet	12/pk
150677		1	4	150 cm / 59"	Without needle	● Violet	12/pk
150675		2	5	150 cm / 59"	Without needle	● Violet	12/pk
150637		2-0	3	150 cm / 59"	Without needle	● Violet	12/pk
150651		3-0	2	150 cm / 59"	Without needle	● Violet	12/pk





## KRUUSE Sacryl Plus

### Description

KRUUSE Sacryl Plus Suture is a synthetic, absorbable, sterile, surgical suture composed of Polyglactin 910.

KRUUSE Sacryl Plus Suture is coated with copolymer of glycolide and lactide (Polyglactin 370) and calcium stearate.

The suture contains chlorhexidine diacetate, a broad-spectrum antibacterial agent. The copolymers in this product have been found to be non-antigenic, non-pyrogenic and elicit only a mild tissue reaction during absorption.

The suture is available in violet.

Days post surgery	Remaining tensile strength
14 days	75%
21 days	40%
28 days	20%

Complete mass absorption in approximately 56-70 days.

### Indications

KRUUSE Sacryl Sutures are indicated for soft tissue approximation and ligation, where absorbable sutures are indicated, including:

- Blood vessel ligation
- Ductus ligation
- Gynaecology and obstetrics
- Ligament ligation
- Linia alba
- Muscle repairment and approximation
- Periocular surgery
- Subcutaneous approximation

### Contraindications

- Where permanent support is required
- KRUUSE Sacryl Plus Suture should not be used in patients with known allergic reactions to chlorhexidine diacetate

### Range

- USP 4-0 to 0
- EP 1.5 to 3.5

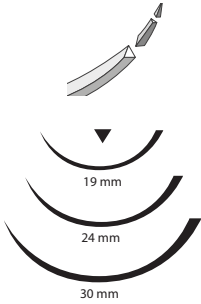
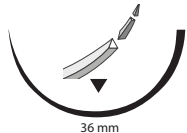
### Sterilisation method

- EO





# KRUUSE Sacryl Plus

Cat. No	Shape of needle	USP	EP	Suture length	Needle length	Colour	Package
150635		3-0	2	70 cm / 27.5"	24 mm	● Violet	12/pk
150638		2-0	3	70 cm / 27.5"	24 mm	● Violet	12/pk
150650		3-0	2	70 cm / 27.5"	19 mm	● Violet	12/pk
150659		0	3.5	70 cm / 27.5"	30 mm	● Violet	12/pk
150667		4-0	1.5	70 cm / 27.5"	19 mm	● Violet	12/pk
150668		2-0	3	70 cm / 27.5"	30 mm	● Violet	12/pk
150678		2-0	3	70 cm / 27.5"	19 mm	● Violet	12/pk
150679	1/2 circle, reverse cutting 	1	4	70 cm / 27.5"	36 mm	● Violet	12/pk





## KRUUSE Sacryl Rapid

### Description

KRUUSE Sacryl Rapid Suture is a synthetic, absorbable, multifilament, sterile surgical suture composed of a copolymer made from 90% glycolide and 10% L-lactide. The characteristic rapid loss of strength is achieved by use of a polymer material with a lower molecular weight than regular KRUUSE Sacryl (Polyglactin 910) Suture.

KRUUSE Sacryl Rapid Suture is available undyed.

KRUUSE Sacryl Rapid Suture is uniformly coated with polyglycolide-co-lactide (30/70) and calcium stearate.

Days post surgery	Remaining tensile strength
7 days	55%
14 days	20%
21 days	5%

*Complete mass absorption in approximately 42-56 days.*

### Indications

KRUUSE Sacryl Rapid is preferred in soft tissue- and dental surgery where a rapid healing is expected and a rapid suture absorption is beneficial.

### Contraindications

Where longer or permanent support is required

### Range

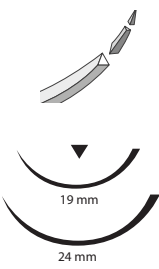
- USP 5-0 to 3-0
- EP 1 to 2

### Sterilisation method

- EO



# KRUUSE Sacryl Rapid

Cat. No	Shape of needle	USP	EP	Suture length	Needle length	Colour	Package
150672	3/8 circle, reverse cutting 	3-0	2	70 cm / 27.5"	24 mm	○ Undyed	12/pk
150652		4-0	1.5	45 cm / 18"	19 mm	○ Undyed	12/pk
150673		5-0	1	45 cm / 18"	19 mm	○ Undyed	12/pk





## KRUUSE PGA

### Description

KRUUSE PGA Suture is a synthetic, absorbable, multifilament, sterile surgical suture composed of polyglycolic acid.

KRUUSE PGA Suture is available dyed violet.

KRUUSE PGA Suture is coated with polycaprolactone and calcium stearate.

Days post surgery	Remaining tensile strength
14 days	75%
21 days	40%

*Complete mass absorption in approximately 60-90 days*

### Indications

KRUUSE PGA Sutures are indicated for soft tissue approximation and ligation, where absorbable sutures are indicated, including:

- Blood vessel ligation
- Ductus ligation
- Facia approximation
- Gynaecology and obstetrics
- Joint capsula closure
- Ligament ligation

### Contraindications

KRUUSE PGA Suture is not intended for use in cardiovascular tissue, neurosurgery, or ophthalmic surgery.

### Range in peel pack

- USP 4-0 to 6
- EP 1.5 to 8

### Range in cassettes

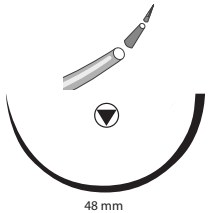
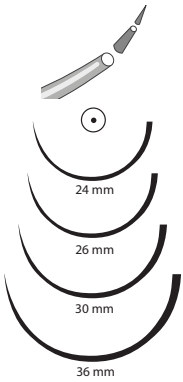
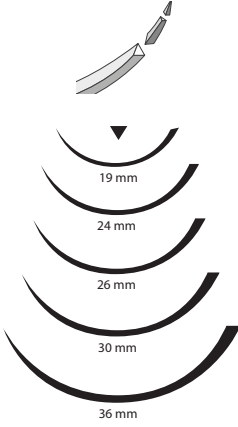

- USP 3-0 to 6
- EP 2 to 8

### Sterilisation method

- EO



# KRUUSE PGA

Cat. No	Shape of needle	USP	EP	Suture length	Needle length	Colour	Package
150710	1/2 circle, round bodied, taper cut 	6	8	150 cm / 59"	48 mm	● Violet	12/pk
150698	1/2 circle, round bodied, taper point 	0	3.5	70 cm / 27.5"	30 mm	● Violet	12/pk
150704		0	3.5	90 cm / 35.5"	30 mm	● Violet	12/pk
150701		1	4	90 cm / 35.5"	30 mm	● Violet	12/pk
150706		2	5	90 cm / 35.5"	36 mm	● Violet	12/pk
150689		2-0	3	70 cm / 27.5"	26 mm	● Violet	12/pk
150691		3-0	2	70 cm / 27.5"	26 mm	● Violet	12/pk
150708		4-0	1.5	70 cm / 27.5"	24 mm	● Violet	12/pk
150694	3/8 circle, reverse cutting 	0	3.5	70 cm / 27.5"	30 mm	● Violet	12/pk
150697		0	3.5	90 cm / 35.5"	30 mm	● Violet	12/pk
150696		1	4	70 cm / 27.5"	36 mm	● Violet	12/pk
150700		1	4	90 cm / 35.5"	30 mm	● Violet	12/pk
150703		2	5	90 cm / 35.5"	36 mm	● Violet	12/pk
150686		2-0	3	70 cm / 27.5"	26 mm	● Violet	12/pk
150709		2-0	3	70 cm / 27.5"	36 mm	● Violet	12/pk
150688		3-0	2	70 cm / 27.5"	26 mm	● Violet	12/pk
150705		4-0	1.5	70 cm / 27.5"	24 mm	● Violet	12/pk
150707		4-0	1.5	70 cm / 27.5"	19 mm	● Violet	12/pk
150687		Cassette 	0	3.5	15 m / 49.2 ft	-	● Violet
150692	1		4	15 m / 49.2 ft	-	● Violet	1/pk
150695	2		5	15 m / 49.2 ft	-	● Violet	1/pk
150693	3+4		6	15 m / 49.2 ft	-	● Violet	1/pk
150702	5		7	15 m / 49.2 ft	-	● Violet	1/pk
150699	6		8	15 m / 49.2 ft	-	● Violet	1/pk
150685	2-0		3	15 m / 49.2 ft	-	● Violet	1/pk
150690	3-0		2	15 m / 49.2 ft	-	● Violet	1/pk



# KRUUSE absorbable suture indication chart

Suture	Surgical procedure														
	Blood vessel ligation	Ductus ligation	Epidermis approximation	Facia approximation	GI surgery	Gynaecology and obstetrics	Intradermal closure	Joint capsula closure	Ligament ligation	Linea Alba	Muscle repairment and approximation	Oral mucosa/gingiva approximation	Periocular surgery	Subcutaneous approximation	Urological surgery
KRUUSE Monofast	•	•					•					•		•	•
KRUUSE Monofast Plus		•					•					•		•	•
KRUUSE PD-X		•		•	•	•		•	•	•					•
KRUUSE PD-X Plus		•		•	•	•		•	•	•					•
KRUUSE Sacryl	•	•				•		•	•	•	•		•	•	
KRUUSE Sacryl Plus	•	•				•		•	•	•	•			•	
KRUUSE Sacryl Rapid												•	•		
KRUUSE PGA	•	•		•		•		•	•						

# Non-absorbable Sutures

## KRUUSE Promilene

**Monofilament:** For smooth passage through tissue and high tissue compatibility

**Synthetic:** For minimal tissue reaction

**Non-absorbable:** Provides permanent tensile strength

KRUUSE Promilene Suture is coloured blue for easy identification during surgery. The monofilament and synthetic properties of the suture give a smooth surface, minimal tissue reaction, and decreased incidence of infection and trauma.

The suture is resistant to repeated bending.

### Chemical composition

- KRUUSE Promilene is composed of an isotactic crystalline stereoisomer of polypropylene, a polymer of propylene

### Colour

- Blue and pink fluorescence

### Indications

KRUUSE Promilene is commonly used in soft tissue approximation and ligation where a permanent support is needed. Areas of use include:

- Skin closure
- Ophthalmic surgery
- Vascular and cardiovascular surgery
- Neurosurgery

### Range

USP 6-0 to 2

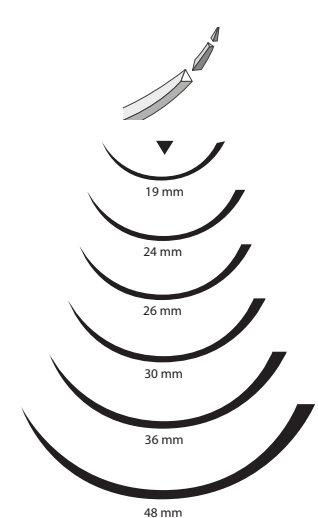
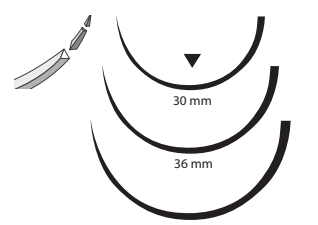

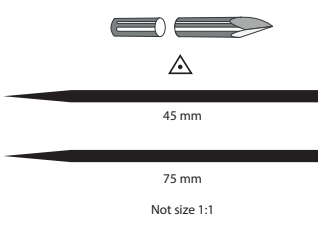
- EP 0.7 to 5

### Sterilisation method

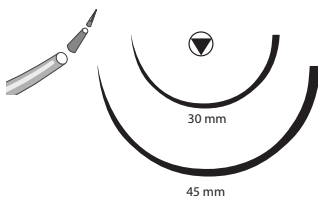

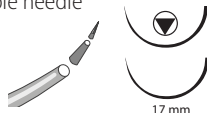
- EO







Cat. No	Shape of needle	USP	EP	Suture length	Needle length	Colour	Package
152368	 <p>3/8 circle, reverse cutting</p>	4-0	1.5	45 cm / 18"	19 mm	● Blue	18/pk
152366		3-0	2	45 cm / 18"	19 mm	● Blue	18/pk
152367		4-0	1.5	70 cm / 27.5"	24 mm	● Blue	18/pk
152790		4-0	1.5	70 cm / 27.5"	24 mm	● Pink fluorescence	18/pk
152364		3-0	2	70 cm / 27.5"	26 mm	● Blue	18/pk
152791		3-0	2	70 cm / 27.5"	26 mm	● Pink fluorescence	18/pk
152362		2-0	3	70 cm / 27.5"	26 mm	● Blue	18/pk
152546		2-0	3	70 cm / 27.5"	26 mm	● Pink fluorescence	18/pk
152365		3-0	2	70 cm / 27.5"	30 mm	● Blue	18/pk
152360		0	3.5	70 cm / 27.5"	30 mm	● Blue	18/pk
152547		0	3.5	70 cm / 27.5"	30 mm	● Pink fluorescence	18/pk
152363		2-0	3	70 cm / 27.5"	36 mm	● Blue	18/pk
152361		1	4	70 cm / 27.5"	36 mm	● Blue	18/pk
152548		1	4	90 cm / 35.5"	36 mm	● Pink fluorescence	18/pk
152369		2	5	90 cm / 35.5"	48 mm	● Blue	18/pk
152536	 <p>1/2 circle, reverse cutting</p>	2-0	3	70 cm / 27.5"	26 mm	● Blue	18/pk
152535*		0	3.5	100 cm / 39.4"	40 mm	● Blue	18/pk
152540		1	4	100 cm / 39.4"	48 mm	● Blue	18/pk
152932*	 <p>Compound curve, reverse cutting</p>	1	4	70 cm / 27.5"	30 mm	● Blue	18/pk
152530*	 <p>Straight, trocar point</p>	2-0	3	45 cm / 18"	45 mm	● Blue	18/pk
152531*		0	3.5	45 cm / 18"	45 mm	● Blue	18/pk
152533*		2	5	45 cm / 18"	45 mm	● Blue	18/pk
152931*		3-0	2	100 cm / 39.4"	75 mm	● Blue	18/pk



Cat. No	Shape of needle	USP	EP	Suture length	Needle length	Colour	Package
152541	1/2 circle, round bodied, taper cut 	2-0	3	90 cm / 35.5"	30 mm	● Blue	18/pk
152534		1	4	100 cm / 39.4"	45 mm	● Blue	18/pk
152539*	1/2 circle, round bodied, taper cut, double needle 	4-0	1.5	90 cm / 35.5"	17 mm	● Blue	18/pk

## KRUUSE Promilene - Race Track

Cat. No	Shape of needle	USP	EP	Suture length	Needle length	Colour	Package
152852	3/8 circle, reverse cutting 	3-0	2	70 cm / 27.5"	26 mm	● Blue	15/pk
152853		2-0	3	70 cm / 27.5"	26 mm	● Blue	15/pk



## KRUUSE Krupramid

**Pseudo-monofilament:** For smooth passage through tissue, high tissue compatibility and excellent handling properties

**Synthetic:** Minimal tissue reaction

**Non-absorbable:** Provides permanent tensile strength

KRUUSE Krupramid Suture has a twisted structure and is unique because it is made of many fine inner nylon fibers which are enclosed in a smooth nylon outer shell. As a result, this suture appears smooth like a monofilament suture but ties better with fewer knots, and stays tied even with short tag ends.

KRUUSE Krupramid is very strong and has excellent handling properties and knot security. It gives permanent tissue support with high flexibility.

### Absorption

- Non-absorbable

### Chemical composition

- KRUUSE Krupramid is composed of synthetic Polyamide 6.6 strands enclosed in a polyamide 6 sheet

### Colour

- White and black

### Indications

KRUUSE Krupramid is commonly used in soft tissue approximation and ligation where permanent support is needed. Areas of use include:

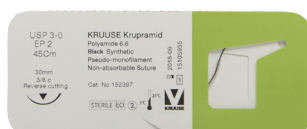
- Skin closure
- Ophthalmic surgery
- Vascular and cardiovascular surgery
- Neurosurgery

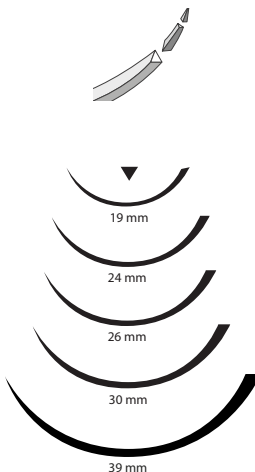

### Range

- USP 4-0 to 1
- EP 1.5 to 4

### Sterilisation method

- EO



Cat. No	Shape of needle	USP	EP	Suture length	Needle length	Colour	Package
152750	<p>3/8 circle, reverse cutting</p> 	4-0	1.5	70 cm / 27.5"	19 mm	● Black	18/pk
152399		3-0	2	45 cm / 18"	19 mm	● Black	18/pk
152398		3-0	2	45 cm / 18"	24 mm	● Black	18/pk
152385		3-0	2	70 cm / 27.5"	24 mm	● Black	18/pk
152395		2-0	3	45 cm / 18"	24 mm	● Black	18/pk
152386		2-0	3	70 cm / 27.5"	24 mm	● Black	18/pk
152392		3-0	2	70 cm / 27.5"	26 mm	○ White	18/pk
152391		2-0	3	70 cm / 27.5"	26 mm	○ White	18/pk
152397		3-0	2	45 cm / 18"	30 mm	● Black	18/pk
152394		2-0	3	45 cm / 18"	30 mm	● Black	18/pk
152390		0	3.5	70 cm / 27.5"	30 mm	○ White	18/pk
152751*		2	5	90 cm / 35.5"	30 mm	○ White	18/pk
152396		3-0	2	70 cm / 27.5"	39 mm	● Black	18/pk
152393		2-0	3	70 cm / 27.5"	39 mm	● Black	18/pk
152389		0	3.5	70 cm / 27.5"	39 mm	● Black	18/pk
152388	1	4	70 cm / 27.5"	39 mm	● Black	18/pk	
152387	1	4	90 cm / 35.5"	39 mm	○ White	18/pk	
152749	<p>Ski-shape, trocar point</p> 	3+4	6	90 cm / 35.5"	75 mm	○ White	18/pk





Cat. No	USP	EP	Suture length	Colour
152485	3-0	2	100 m / 328 ft	○ White
152483	2-0	3	100 m / 328 ft	○ White
152480	0	3.5	100 m / 328 ft	○ White
152481	1	4	100 m / 328 ft	○ White
152482	2	5	75 m / 246 ft	○ White
152484	3+4	6	50 m / 164 ft	○ White
152486	5	7	50 m / 164 ft	○ White
152487	6	8	50 m / 164 ft	○ White



## KRUUSE Nylon

**Monofilament:** For smooth passage through tissue and high tissue compatibility

**Synthetic:** Minimal tissue reaction

**Non-absorbable:** Provides permanent tensile strength

KRUUSE Nylon Suture is coloured blue for easy identification during surgery. The monofilament and synthetic properties of the suture give a smooth surface, minimal tissue reaction, and decreased incidence of infection and trauma.

KRUUSE Nylon Suture is quite pliable and does not support bacterial growth due to the smooth surface. The elasticity of the KRUUSE Nylon Suture makes it useful in retention and skin closure.

### Chemical composition

- KRUUSE Nylon Suture is made of monofilament polyamide 6&6

### Colour

Blue

### Indications

KRUUSE Nylon is commonly used in soft tissue approximation and ligation where permanent support is needed. Areas of use include:

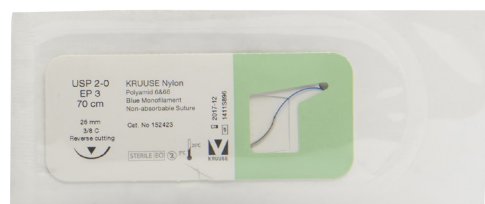
- Skin closure
- Ophthalmic surgery
- Vascular and cardiovascular surgery
- Neurosurgery

### Range


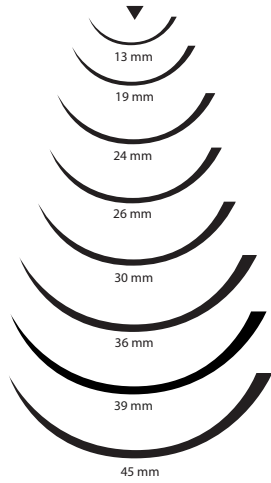

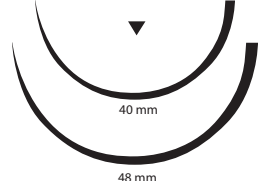



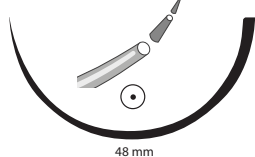
- USP 5-0 to 2
- EP 1 to 5

### Sterilisation method

- EO





Cat. No	Shape of needle	USP	EP	Suture length	Needle length	Colour	Package
152033	 	5-0	1	45 cm / 18"	13 mm	● Blue	18/pk
152417		5-0	1	45 cm / 18"	19 mm	● Blue	18/pk
152030		4-0	1.5	45 cm / 18"	19 mm	● Blue	18/pk
152031		3-0	2	45 cm / 18"	19 mm	● Blue	18/pk
152507		3-0	2	70 cm / 27.5"	19 mm	● Blue	18/pk
152425		4-0	1.5	70 cm / 27.5"	24 mm	● Blue	18/pk
152508		3-0	2	70 cm / 27.5"	24 mm	● Blue	18/pk
152420		0	3.5	70 cm / 27.5"	24 mm	● Blue	18/pk
152424		3-0	2	70 cm / 27.5"	26 mm	● Blue	18/pk
152423		2-0	3	70 cm / 27.5"	26 mm	● Blue	18/pk
152429		2-0	3	90 cm / 35.5"	30 mm	● Blue	18/pk
152421		0	3.5	70 cm / 27.5"	30 mm	● Blue	18/pk
152422		1	4	70 cm / 27.5"	36 mm	● Blue	18/pk
152418		2-0	3	70 cm / 27.5"	39 mm	● Blue	18/pk
152032		2-0	3	90 cm / 35.5"	45 mm	● Blue	18/pk
152426	 	0	3.5	90 cm / 35.5"	40 mm	● Blue	18/pk
152427		1	4	90 cm / 35.5"	48 mm	● Blue	18/pk
152730	 	1	4	100 cm / 39.4"	90 mm	● Blue	18/pk
152428		2	5	90 cm / 35.5"	90 mm	● Blue	18/pk
152731*		2	5	200 cm / 78.7"	90 mm	● Blue	18/pk
152419	 Not size 1:1	2-0	3	90 cm / 35.5"	55 mm	● Blue	18/pk
152509	 48 mm	2	5	90 cm / 35.5"	48 mm	● Blue	18/pk







## KRUUSE Suture in Race Track Solution

KRUUSE offers an assortment of sutures in the popular race track solution.

The race track solution ensures minimal suture memory. A suture with a high memory goes back to its original position and hence, this is the most preferred solution among surgeons.

Monofilament sutures generally have more memory than multifilament sutures.

## KRUUSE Nylon - Race Track

Cat. No	Shape of needle	USP	EP	Suture length	Needle length	Colour	Package
152840	3/8 circle, reverse cutting 	3-0	2	70 cm / 27.5"	26 mm	● Blue	15/pk
152841	 26 mm	2-0	3	70 cm / 27.5"	26 mm	● Blue	15/pk



## KRUUSE Silk

**Multifilament, braided:** For secure knot tying and easy handling

**Coated (wax):** For easy knot tying and smooth passage through tissue

**Non-absorbable:** Provides permanent tensile strength

KRUUSE Silk is a natural, braided, and coated suture. With silk being a natural fiber, more tissue reaction can be expected using this type of suture compared to synthetic sutures.

Natural silk contains two glycoproteins: Fibroin and sericin. Sericin can cause an immune response and has therefore been removed from KRUUSE Silk.

### Chemical composition

- KRUUSE Silk is composed of 100% fibroin

### ■ Colour

- Black

### Indications

KRUUSE Silk Suture is indicated for soft tissue approximation and ligation, where permanent support is indicated, including:

- Ophthalmic surgery
- Vascular and cardiovascular surgery
- Neurosurgery
- Dental surgery
- Ligation

### Contraindications

- Where a minimum of tissue reaction/foreign body reaction is required





### Range

- USP 4-0 to 0
- EP 1.5 to 3.5

### Sterilisation method

- EO



Cat. No	Shape of needle	USP	EP	Suture length	Needle length	Colour	Package
152384	3/8 circle, reverse cutting	4-0	1.5	70 cm / 27.5"	9 mm	● Black	18/pk
152383		4-0	1.5	70 cm / 27.5"	24 mm	● Black	18/pk
152382		3-0	2	70 cm / 27.5"	26 mm	● Black	18/pk
152381		2-0	3	70 cm / 27.5"	26 mm	● Black	18/pk
152380		0	3.5	70 cm / 27.5"	30 mm	● Black	18/pk





Cat. No	USP	EP	Suture length	Colour
152475	3-0	2	100 m / 328 ft	● Black
152473	2-0	3	100 m / 328 ft	● Black
152470	0	3.5	100 m / 328 ft	● Black
152471	1	4	100 m / 328 ft	● Black
152472	2	5	100 m / 328 ft	● Black
152474	3+4	6	50 m / 164 ft	● Black
152476	5	7	50 m / 164 ft	● Black



## KRUUSE Linen

**Multifilament, braided:** For secure knot tying, high flexibility and easy handling

**Coated:** For easy knot tying and smooth passage through tissue

**Non-absorbable:** Provides permanent tensile strength

KRUUSE Linen is a braided and coated multifilament, non-absorbable suture based on cellulose and is derived from twisted long staple flax.

KRUUSE Linen is packed in dry condition but gains a substantial and immediate increase in strength if wetted before use. It possesses a higher tissue reactivity and greater capillarity than cotton. One of the greatest assets of linen is its low extensibility and thus ability to hold a tight knot.

### Chemical composition

- KRUUSE Linen Suture is based on cellulose and derived from twisted long staple flax

### Colour

- Off-white

### Indications

KRUUSE Linen is commonly used in soft tissue approximation and ligation where a permanent support is needed. Areas of use include:

- GI-anastomosis
- Hernia
- Tonsillectomies

### Range

- USP 3+4
- EP 6

### Sterilisation method

- EO



Cat. No	USP	EP	Suture length	Colour
152460	3+4	4	50 m / 164 ft	○ Off-white







## KRUUSE Suture Display

We aim to make handling and usage of KRUUSE sutures as user-friendly as possible. We have therefore designed a practical display for the KRUUSE sutures.

The suture display has an attractive design that fits into most clinics and hospitals. It is intended to be used either as a table top rack or it can be wall mounted in your clinic. Mobile vets may choose to have the display in their practice vehicle. Furthermore, you have the possibility to expand the display either in height or length by adding another display section.

Please notice that we have designed the display with a slight protuberance/rise at the front. This ensures stable and accurate placement of the suture dispenser box during handling.



Cat. No	Colour	Package
150901	Transparent	1/pk



## KRUUSE Easytap Skin Stapler

Disposable single use skin stapler containing 35 wide clips.

Cat. No	Size	Package
152165	6.5 x 4.7 mm / 0.3 x 0.2"	6/pk



## Cassette Holder

Cat. No	Package
150900	1/pk



## KRUUSE Suturing Pad

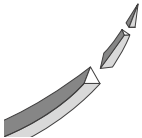

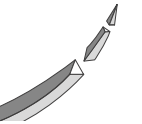

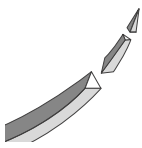

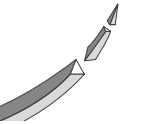


For practicing your suturing techniques use the KRUUSE Suturing Pad. The pad is made of foam, which simulates cutis and subcutis. The pad can be used several times.

Cat. No	Package
152197	1/pk

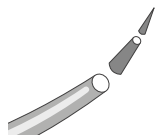

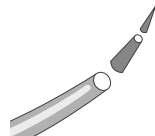



# KRUUSE Suture Needles - Regular Eye

Stainless steel suture needles in supreme quality in both strength and sharpness. Cutting needle is the preferred needle type when suturing in more fibrous tissue such as skin, whereas most surgeons prefer the round bodied needle when suturing soft tissues like intestines and bladder.



Cat. No	Shape	Shape	Length	Package
152600	  3/8 Circle	3/8 circle, reverse cutting	17 mm	10/pk
152601		3/8 circle, reverse cutting	21 mm	10/pk
152602		3/8 circle, reverse cutting	25 mm	10/pk
152603		3/8 circle, reverse cutting	29 mm	10/pk
152604		3/8 circle, reverse cutting	41 mm	10/pk
152605		3/8 circle, reverse cutting	49 mm	10/pk
152606		3/8 circle, reverse cutting	61 mm	10/pk
152607		3/8 circle, reverse cutting	89 mm (diameter 1.1 mm)	10/pk
152608		3/8 circle, reverse cutting	89 mm (diameter 1.6 mm)	10/pk
152620	  1/2 Circle	1/2 circle, reverse cutting	41 mm	10/pk
152621		1/2 circle, reverse cutting	49 mm	10/pk
152622		1/2 circle, reverse cutting	69 mm	10/pk
152663	  3/8 Circle	3/8 circle, conventional cutting	19 mm	10/pk
152664		3/8 circle, conventional cutting	25 mm	10/pk
152665		3/8 circle, conventional cutting	29 mm	10/pk
152666		3/8 circle, conventional cutting	39 mm	10/pk
152667		3/8 circle, conventional cutting	65 mm	10/pk
152668		3/8 circle, conventional cutting	89 mm	10/pk
152661		 	1/2 circle, conventional cutting	25 mm
152662	1/2 circle, conventional cutting		39 mm	10/pk
152627	 Straight	Straight, cutting	60 mm	10/pk
152628		Straight, cutting	90 mm	10/pk



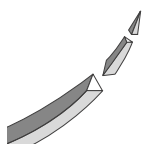
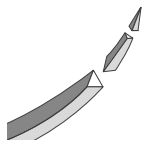

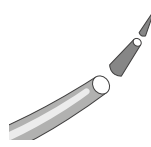
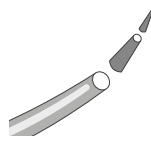
Cat. No	Shape	Shape	Length	Package	
152625		 3/8 Circle	3/8 circle, round body, taper point	28 mm	10/pk
152626			3/8 circle, round body, taper point	69 mm	10/pk
152610		 1/2 Circle	1/2 circle, round body, taper point	23 mm	10/pk
152611			1/2 circle, round body, taper point	28 mm	10/pk
152612			1/2 circle, round body, taper point	38 mm	10/pk
152613			1/2 circle, round body, taper point	48 mm	10/pk
152614			1/2 circle, round body, taper point	53 mm	10/pk
152615			1/2 circle, round body, taper point	68 mm	10/pk
152617				 1/2 Circle	1/2 circle, round body, taper cut



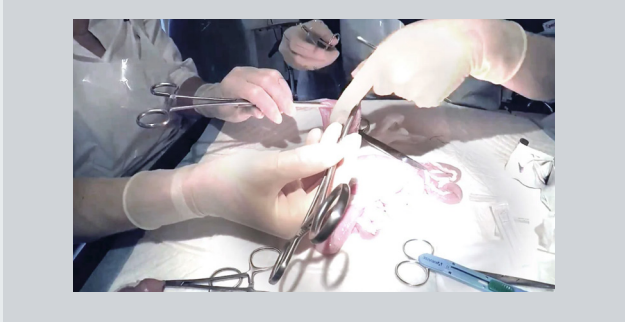
# KRUUSE Suture Needles - Spring Eye

Stainless steel suture needles in supreme quality in both strength and sharpness. Cutting needle is the preferred needle type when suturing in more fibrous tissue such as skin, whereas most surgeons prefer the round bodied needle when suturing soft tissues like intestines and bladder.



Cat. No	Shape	Shape	Length	Package
152630	 3/8 Circle	3/8 circle, reverse cutting	17 mm	10/pk
152631		3/8 circle, reverse cutting	21 mm	10/pk
152632		3/8 circle, reverse cutting	25 mm	10/pk
152633		3/8 circle, reverse cutting	29 mm	10/pk
152634		3/8 circle, reverse cutting	41 mm	10/pk
152635		3/8 circle, reverse cutting	45 mm	10/pk
152636		3/8 circle, reverse cutting	49 mm	10/pk
152637		3/8 circle, reverse cutting	61 mm	10/pk
152638		3/8 circle, reverse cutting	89 mm	10/pk
152646	 1/2 Circle	1/2 circle, reverse cutting	29 mm	10/pk
152647		1/2 circle, reverse cutting	41 mm	10/pk
152648		1/2 circle, reverse cutting	69 mm	10/pk
152660	 Straight	Straight, cutting	75 mm	10/pk
152640	 3/8 Circle	3/8 circle, round bodied, taper point	18 mm	10/pk
152641		3/8 circle, round bodied, taper point	23 mm	10/pk
152642		3/8 circle, round bodied, taper point	28 mm	10/pk
152650		1/2 circle, round bodied, taper point	23 mm	10/pk
152651	 1/2 Circle	1/2 circle, round bodied, taper point	28 mm	10/pk
152652		1/2 circle, round bodied, taper point	38 mm	10/pk
152653		1/2 circle, round bodied, taper point	48 mm	10/pk
152654		1/2 circle, round bodied, taper point	53 mm	10/pk
152657		1/2 circle, round bodied, taper cut	23 mm	10/pk

# Resources



WEBINAR:

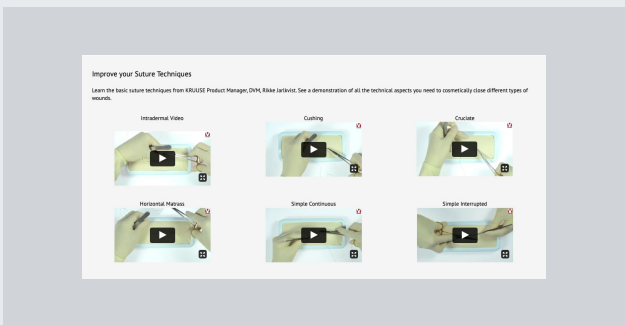
## Soft Tissue Surgery

Learn the basic operation techniques with Pilar Lafuente DVM, PhD, Lecturer in Small Animal Surgery from Royal Veterinary College.

VIDEO:

## Education Videos

Learn about relevant suture patterns from basic ones to more advanced patterns, and watch different knotting techniques. Also see how and when different types of sutures are being used in practice.







[kruise.com](https://www.kruise.com)

