



Experience in Surgical Sutures since 1976

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



# DETAILED

PRODUCT CATALOGUE





In 1976, we started our production period with the production of catgut and continue today with the production of synthetic surgical suture in Izmir as Katsan Surgical Sutures. Katsan with more than 35 years' experience has become a preferred manufacturer of surgical suture in almost all hospitals of Turkey.

Fully engaged in manufacturing with domestic capital, Katsan A.S. with more than 40 distributors in all over Turkey and abroad, offer a solution partnership for surgical suture for both state and private hospitals. With the flexibility and experience of making our own production, we present a wide range of products to meet the demands of all surgeons and nurses as soon as possible.

In T.R. Ministry of Health approved facilities, by creating world-class sterile conditions, manufactured surgical suture contain a variety for different surgical operations.

Our goal is to make every stage of surgical sutures manufacturing in our facilities for reducing the dependence of health sector on outside in Turkey.

With fully CE marked surgical suture, ISO 13485 quality certificate, with the employees carrying out their work being aware of the value we add to human life, we continue to work as an important brand and value in the field of surgical suture in Turkey.

# KATSAN SURGICAL NEEDLE

## ULTRA SHARP NEEDLE POINT

Atraumatic tissue penetration

## SILICON COATED STAINLESS STEEL NEEDLE

Maximum strength and smooth surface

## DEPENDING ON THE NEEDLE TYPE LASER DRILLING OR MECHANICAL DRILLING NEEDLE HOLE/ SUPERIOR ATTACHMENT.

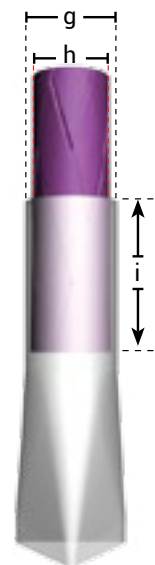
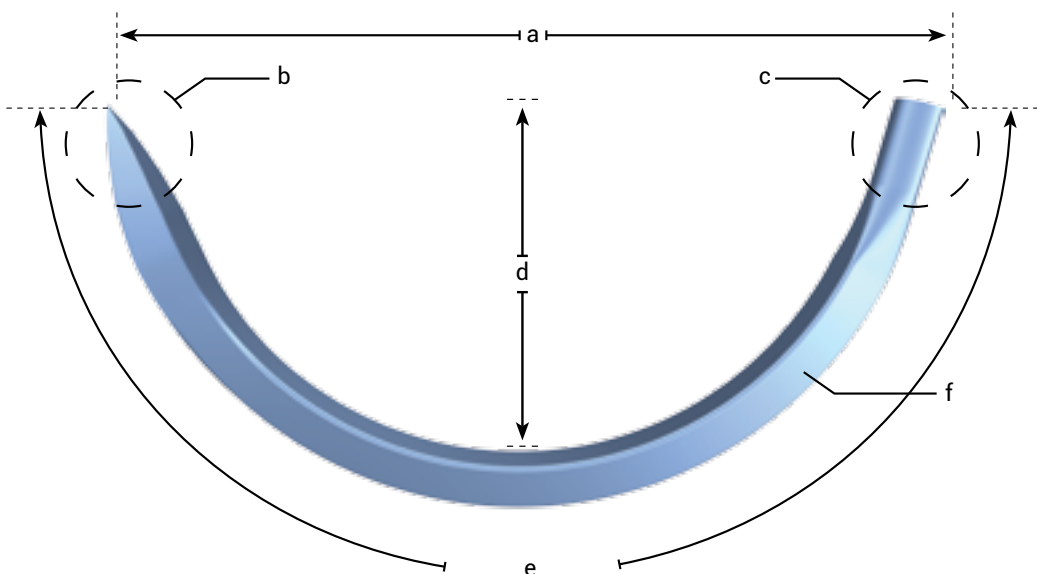
Suitable needle-suture diameter



## SUPERIOR GRIPPING AREA

# 1

## ATRAUMATIC NEEDLE ANATOMY



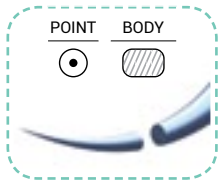
**a** : Needle chord length  
**b** : Needle point  
**c** : Swage

**d** : Needle radius  
**e** : Needle length  
**f** : Needle body

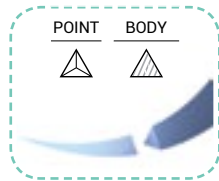
**g** : Needle diameter  
**h** : Suture diameter  
**i** : Depth of needle hole

# 2

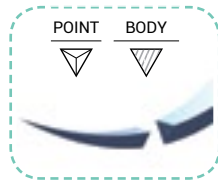
## ATRAUMATIC NEEDLE TYPES



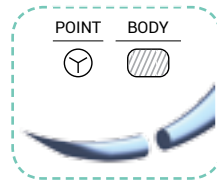
TAPER POINT



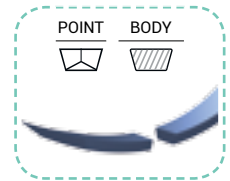
CUTTING EDGE



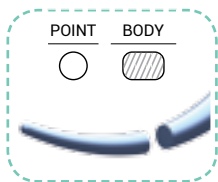
REVERSE CUTTING EDGE



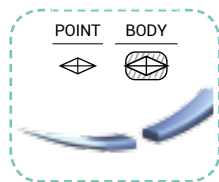
TAPER CUT



SPATULA



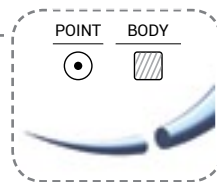
BLUNT POINT



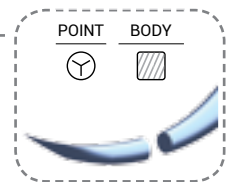
DIAMOND

### CARDIOVASCULAR NEEDLES

Our CC needles could be preferred as black/ standard color.



CC TAPER POINT

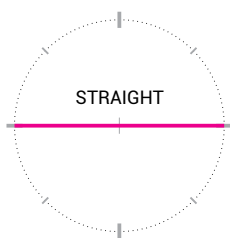


CC TAPER CUT

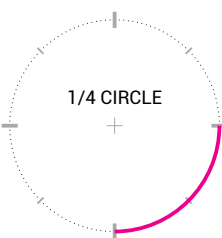
# 3

## ATRAUMATIC NEEDLE MODELS

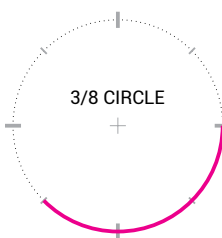
### NEEDLE FORMS



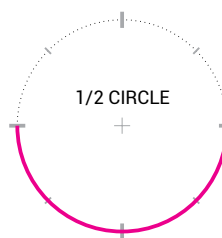
STRAIGHT



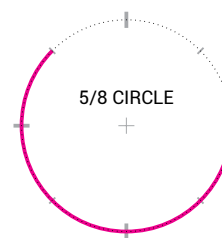
1/4 CIRCLE



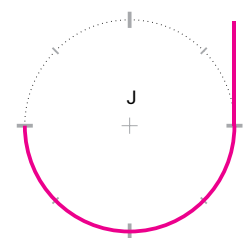
3/8 CIRCLE



1/2 CIRCLE



5/8 CIRCLE



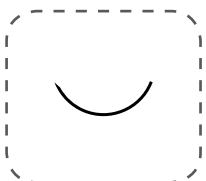
J



STRAIGHT



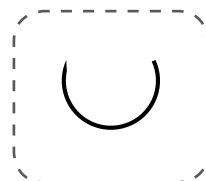
1/4 CIRCLE



3/8 CIRCLE



1/2 CIRCLE



5/8 CIRCLE



J

# 4

## PRODUCT CODING SCHEME

| CODE | SUTURE TYPE   |
|------|---------------|
| A    | PGA           |
| B    | PGA RAPID     |
| C    | PGLA          |
| D    | PGLA RAPID    |
| E    | SILK          |
| F    | POLYPROPYLENE |
| G    | PGCL          |
| H    | PDO           |
| K    | POLYAMIDE     |
| L    | POLYESTER     |

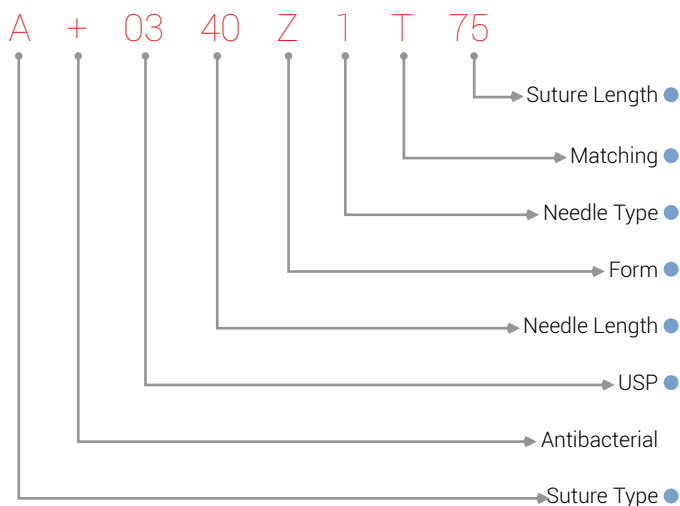
| CODE | USP      | METRIC     |
|------|----------|------------|
| 01   | USP 2    | Metric 5   |
| 02   | USP 1    | Metric 4   |
| 03   | USP 0    | Metric 3,5 |
| 04   | USP 2/0  | Metric 3   |
| 05   | USP 3/0  | Metric 2   |
| 06   | USP 4/0  | Metric 1,5 |
| 07   | USP 5/0  | Metric 1   |
| 08   | USP 6/0  | Metric 0,7 |
| 09   | USP 7/0  | Metric 0,5 |
| 10   | USP 8/0  | Metric 0,4 |
| 11   | USP 9/0  | Metric 0,3 |
| 12   | USP 10/0 | Metric 0,2 |

| CODE | FORM     |
|------|----------|
| Z    | 1/2      |
| V    | 3/8      |
| U    | 5/8      |
| R    | 1/4      |
| J    | J        |
| S    | STRAIGHT |

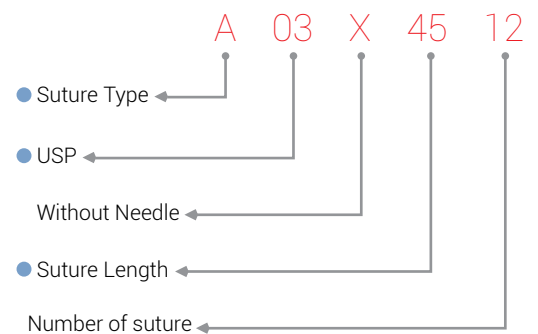
| CODE | NEEDLE TYPE          |
|------|----------------------|
| 1    | TAPER POINT          |
| 2    | BLUNT POINT          |
| 3    | CUTTING EDGE         |
| 4    | REVERSE CUTTING EDGE |
| 5    | TAPER CUT            |
| 6    | DIAMOND              |
| 7    | SPATULA              |
| 8    | CC TAPER POINT       |
| 9    | CC TAPER CUT         |

| CODE | MATCHING |
|------|----------|
| T    | SINGLE   |
| F    | DOUBLE   |
| P    | LOOP     |

### PRODUCT CODING OF SUTURES WITH NEEDLE



### PRODUCT CODING OF SUTURES WITHOUT NEEDLE





**ALCASORB<sup>®</sup>**  
High knot safety



## PGA - Polyglycolic Acid

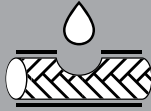
ALCASORB® sutures are synthetic absorbable sterile surgical sutures which are made of Polyglycolic Acid. The braided structure of the suture is coated. Coated suture is prepared by Calcium Stearate and Polycaprolactone structure.

In order to ease of operation ALCASORB® sutures are colored violet or undyed (natural, beige). ALCASORB® sutures has been presented in USP 8/0 – USP 3 gauge sizes in a variety of lengths from 10 cm to 150cm, as non-needled or attached to stainless steel needles of varying types and sizes.

ALCASORB®



Absorbable, multifilament, coated, violet



Absorbable, multifilament, coated, undyed (beige)

### CHEMICAL STRUCTURE

100% Polyglycolic Acid, synthetic, absorbable, braided surgical suture

### COATING

Polycaprolactone and Calcium Stearate

### WOUND SUPPORT

~ 30 days

### ABSORPTION

~ 60-90 days

### TENSILE STRENGTH

2<sup>nd</sup> week ~ 70%  
3<sup>rd</sup> week ~ 40%-50% wound support

### USP RANGE

8/0 - 3

### STERILIZATION

EO (Ethylene Oxide)

### PACKAGING

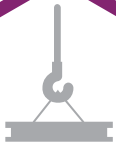
In aluminum foil packages with needle or without needle





## HIGH TENSILE STRENGTH

Excellent wound support



## BRAIDED STRUCTURE

Minimum suture memory  
High usage characteristic  
Flexibility  
Excellent tensile strength  
Excellent knot safety



## ABSORPTION BY PROGRESSIVE HYDROLYSIS

Predictable absorption rate



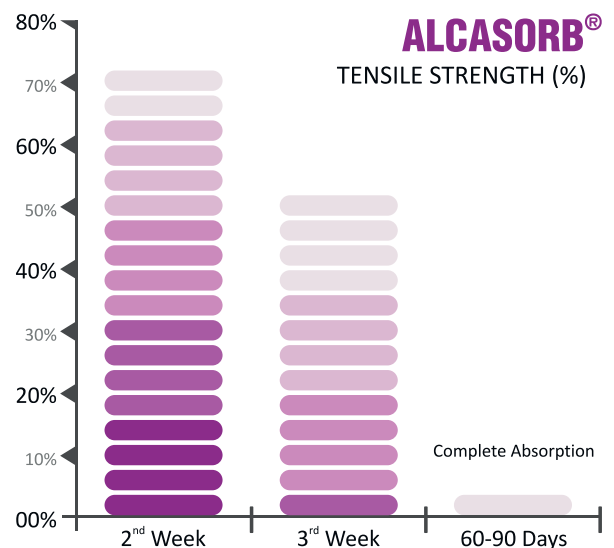
## COATED MULTIFILAMENT

Minimum tissue trauma  
Minimum capillarity  
Ease of knot tying and adjustability



## AREAS OF USAGE

- General Surgery
- Gynecology
- Ophthalmic Surgery
- Orthopedic Surgery
- Urology
- Gastrointestinal Surgery
- Ligation
- Oral Surgery
- Veterinary
- Plastic Surgery
- Wound Closure at Pediatric Surgery
- Skin Closure





## 3/8 CIRCLE SPATULA

| NEEDLE TYPE                                                                                     | SUTURE LENGTH | COLOR  | USP        |     |     |     |
|-------------------------------------------------------------------------------------------------|---------------|--------|------------|-----|-----|-----|
|                                                                                                 |               |        | 8/0        | 7/0 | 6/0 | 5/0 |
| <br>6mm Double | 45cm          | violet | A1006V7F45 |     |     |     |

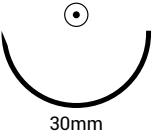
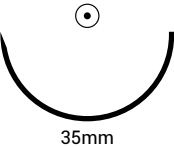
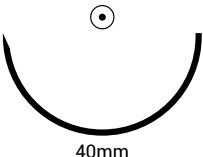
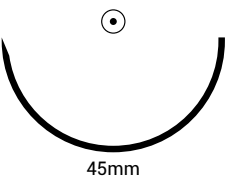
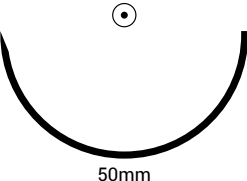
## 1/4 CIRCLE SPATULA

| NEEDLE TYPE                                                                                     | SUTURE LENGTH | COLOR  | USP |            |            |     |
|-------------------------------------------------------------------------------------------------|---------------|--------|-----|------------|------------|-----|
|                                                                                                 |               |        | 8/0 | 7/0        | 6/0        | 5/0 |
| <br>8mm Double | 45cm          | violet |     | A0908R7F45 | A0808R7F45 |     |

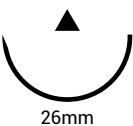
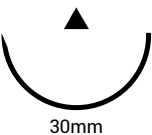
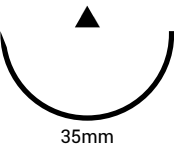
## 1/2 CIRCLE TAPER POINT

| NEEDLE TYPE                                                                                 | SUTURE LENGTH | COLOR  | USP        |            |                          |                          |                          |            |
|---------------------------------------------------------------------------------------------|---------------|--------|------------|------------|--------------------------|--------------------------|--------------------------|------------|
|                                                                                             |               |        | 6/0        | 5/0        | 4/0                      | 3/0                      | 2/0                      | 0          |
| <br>13mm   | 45cm<br>60cm  | violet | A0813Z1T60 | A0713Z1T60 | A0613Z1T60               |                          |                          |            |
| <br>16mm | 75cm          | violet |            | A0716Z1T75 | A0616Z1T75               | A0516Z1T75               |                          |            |
| <br>17mm | 75cm          | violet |            | A0717Z1T75 | A0617Z1T75               |                          |                          |            |
| <br>20mm | 75cm          | violet |            |            | A0620Z1T75               | A0520Z1T75               |                          |            |
| <br>26mm | 75cm<br>90cm  | violet |            |            | A0626Z1T75<br>A0626Z1T90 | A0526Z1T75<br>A0526Z1T90 | A0426Z1T75<br>A0426Z1T90 | A0326Z1T90 |

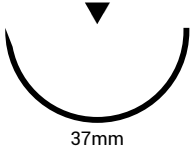
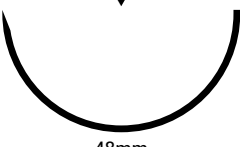
## 1/2 CIRCLE TAPER POINT

| NEEDLE TYPE                                                                                | SUTURE LENGTH | COLOR  | USP        |                          |                          |                          |                          |
|--------------------------------------------------------------------------------------------|---------------|--------|------------|--------------------------|--------------------------|--------------------------|--------------------------|
|                                                                                            |               |        | 3/0        | 2/0                      | 0                        | 1                        | 2                        |
| <br>30mm  | 75cm<br>90cm  | violet | A0530Z1T75 | A0430Z1T75<br>A0430Z1T90 | A0330Z1T75<br>A0330Z1T90 | A0230Z1T75<br>A0230Z1T90 |                          |
| <br>35mm  | 75cm          | violet |            | A0435Z1T75               | A0335Z1T75               | A0235Z1T75               |                          |
| <br>40mm  | 75cm<br>90cm  | violet |            | A0440Z1T75               | A0340Z1T75<br>A0340Z1T90 | A0240Z1T75<br>A0240Z1T90 | A0140Z1T75<br>A0140Z1T90 |
| <br>45mm  | 75cm<br>90cm  | violet |            |                          |                          | A0245Z1T75               | A0145Z1T75<br>A0145Z1T90 |
| <br>50mm | 75cm<br>90cm  | violet |            |                          |                          | A0250Z1T90               | A0150Z1T75<br>A0150Z1T90 |

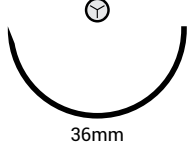
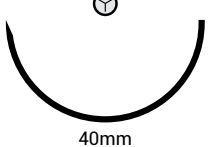
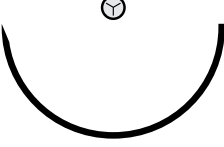
## 1/2 CIRCLE CUTTING EDGE

| NEEDLE TYPE                                                                                 | SUTURE LENGTH | COLOR  | USP        |            |            |                          |                          |                          |                          |
|---------------------------------------------------------------------------------------------|---------------|--------|------------|------------|------------|--------------------------|--------------------------|--------------------------|--------------------------|
|                                                                                             |               |        | 5/0        | 4/0        | 3/0        | 2/0                      | 0                        | 1                        | 2                        |
| <br>20mm | 75cm          | violet | A0720Z3T75 | A0620Z3T75 |            |                          |                          |                          |                          |
| <br>26mm | 75cm<br>90cm  | violet |            |            | A0526Z3T75 | A0426Z3T75<br>A0426Z3T90 | A0326Z3T75<br>A0326Z3T90 |                          |                          |
| <br>30mm | 75cm<br>90cm  | violet |            |            |            | A0430Z3T75<br>A0430Z3T90 | A0330Z3T75<br>A0330Z3T90 |                          |                          |
| <br>35mm | 75cm          | violet |            |            |            |                          | A0335Z3T75               | A0235Z3T75               |                          |
| <br>40mm | 75cm<br>90cm  | violet |            |            |            |                          |                          | A0240Z3T75<br>A0240Z3T90 | A0140Z3T75<br>A0140Z3T90 |

## 1/2 CIRCLE REVERSE CUTTING EDGE

| NEEDLE TYPE                                                                               | SUTURE LENGTH | COLOR  | USP        |            |                          |                          |                          |
|-------------------------------------------------------------------------------------------|---------------|--------|------------|------------|--------------------------|--------------------------|--------------------------|
|                                                                                           |               |        | 4/0        | 2/0        | 0                        | 1                        | 2                        |
| <br>20mm | 75cm          | violet | A0620Z4T75 |            |                          |                          |                          |
| <br>30mm | 75cm          | violet |            | A0430Z4T75 | A0330Z4T75               |                          |                          |
| <br>37mm | 75cm<br>90cm  | violet |            | A0437Z4T75 | A0337Z4T75<br>A0337Z4T90 | A0237Z4T75<br>A0237Z4T90 |                          |
| <br>48mm | 75cm<br>90cm  | violet |            |            | A0348Z4T75<br>A0348Z4T90 | A0248Z4T75<br>A0248Z4T90 | A0148Z4T75<br>A0148Z4T90 |

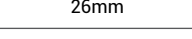
## 1/2 CIRCLE TAPER CUT

| NEEDLE TYPE                                                                                 | SUTURE LENGTH | COLOR  | USP                      |                          |                          |                          |            |
|---------------------------------------------------------------------------------------------|---------------|--------|--------------------------|--------------------------|--------------------------|--------------------------|------------|
|                                                                                             |               |        | 3/0                      | 2/0                      | 0                        | 1                        | 2          |
| <br>36mm | 75cm<br>90cm  | violet | A0536Z5T75<br>A0536Z5T90 | A0436Z5T75<br>A0436Z5T90 | A0336Z5T75<br>A0336Z5T90 | A0236Z5T75               |            |
| <br>40mm | 75cm<br>90cm  | violet |                          | A0440Z5T75               | A0340Z5T75<br>A0340Z5T90 | A0240Z5T75<br>A0240Z5T90 |            |
| <br>45mm | 75cm<br>90cm  | violet |                          |                          | A0345Z5T75<br>A0345Z5T90 | A0245Z5T75<br>A0245Z5T90 | A0145Z5T90 |

## 3/8 CIRCLE TAPER POINT

| NEEDLE TYPE                                                                                 | SUTURE LENGTH | COLOR  | USP                      |            |                          |                          |
|---------------------------------------------------------------------------------------------|---------------|--------|--------------------------|------------|--------------------------|--------------------------|
|                                                                                             |               |        | 6/0                      | 5/0        | 3/0                      | 2/0                      |
| <br>13mm | 60cm<br>75cm  | violet | A0813V1T60<br>A0813V1T75 | A0713V1T60 |                          |                          |
| <br>16mm | 75cm          | violet | A0816V1T75               | A0716V1T75 |                          |                          |
| <br>26mm | 75cm<br>90cm  | violet |                          |            | A0526V1T75<br>A0526V1T90 | A0426V1T75<br>A0426V1T90 |

### 3/8 CIRCLE CUTTING EDGE

| NEEDLE TYPE                                                                                       | SUTURE LENGTH | COLOR  | USP        |                          |            |                          |                          |                          |
|---------------------------------------------------------------------------------------------------|---------------|--------|------------|--------------------------|------------|--------------------------|--------------------------|--------------------------|
|                                                                                                   |               |        | 6/0        | 5/0                      | 4/0        | 3/0                      | 2/0                      | 0                        |
| <br>10mm         | 45cm          | violet | A0810V3T45 |                          |            |                          |                          |                          |
| <br>10 mm Double | 60cm          | violet | A0810V3F60 |                          |            |                          |                          |                          |
| <br>16mm         | 45cm<br>75cm  | violet |            | A0716V3T45<br>A0716V3T75 |            |                          |                          |                          |
| <br>20mm         | 75cm          | violet |            |                          | A0620V3T75 | A0520V3T75               |                          |                          |
| <br>24mm         | 75cm          | violet |            |                          |            | A0524V3T75               |                          |                          |
| <br>26mm         | 75cm<br>90cm  | violet |            |                          | A0626V3T75 | A0526V3T75<br>A0526V3T90 | A0426V3T75<br>A0426V3T90 |                          |
| <br>30mm         | 75cm<br>90cm  | violet |            |                          |            | A0530V3T75               | A0430V3T75<br>A0430V3T90 | A0330V3T75<br>A0330V3T90 |
| <br>35mm       | 75cm<br>90cm  | violet |            |                          |            | A0535V3T75               | A0435V3T75<br>A0435V3T90 |                          |

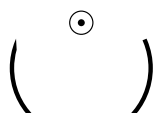
### 3/8 CIRCLE REVERSE CUTTING EDGE

| NEEDLE TYPE                                                                                        | SUTURE LENGTH | COLOR  | USP                      |                          |            |            |            |
|----------------------------------------------------------------------------------------------------|---------------|--------|--------------------------|--------------------------|------------|------------|------------|
|                                                                                                    |               |        | 6/0                      | 5/0                      | 4/0        | 3/0        | 2/0        |
| <br>13mm        | 45cm          | violet | A0813V4T45               | A0713V4T45               |            |            |            |
| <br>13mm Double | 45cm<br>60cm  | violet | A0813V4F45<br>A0813V4F60 | A0713V4F45<br>A0713V4F60 |            |            |            |
| <br>18mm        | 75cm          | violet |                          |                          | A0618V4T75 | A0518V4T75 |            |
| <br>24mm        | 75cm          | violet |                          |                          | A0624V4T75 | A0524V4T75 | A0424V4T75 |

### 3/8 CIRCLE REVERSE CUTTING EDGE

| NEEDLE<br>TYPE                                                                            | SUTURE<br>LENGTH | COLOR  | USP                      |                          |                          |            |                          |
|-------------------------------------------------------------------------------------------|------------------|--------|--------------------------|--------------------------|--------------------------|------------|--------------------------|
|                                                                                           |                  |        | 3/0                      | 2/0                      | 0                        | 1          | 2                        |
| <br>26mm | 75cm<br>90cm     | violet | A0526V4T75<br>A0526V4T90 | A0426V4T75<br>A0426V4T90 |                          |            |                          |
| <br>36mm | 75cm<br>90cm     | violet |                          | A0436V4T75<br>A0436V4T90 | A0336V4T75<br>A0336V4T90 |            |                          |
| <br>48mm  | 75cm<br>90cm     | violet |                          |                          |                          | A0248V4T75 | A0148V4T75<br>A0148V4T90 |

### 5/8 CIRCLE TAPER POINT

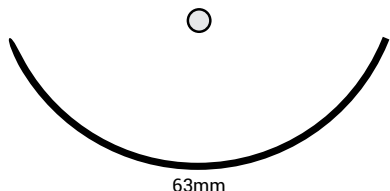
| NEEDLE<br>TYPE                                                                             | SUTURE<br>LENGTH | COLOR  | USP        |                          |                          |
|--------------------------------------------------------------------------------------------|------------------|--------|------------|--------------------------|--------------------------|
|                                                                                            |                  |        | 3/0        | 2/0                      | 0                        |
| <br>26mm  | 75cm<br>90cm     | violet | A0526U1T75 | A0426U1T75<br>A0426U1T90 |                          |
| <br>36mm | 75cm<br>90cm     | violet |            | A0436U1T75<br>A0436U1T90 | A0336U1T75<br>A0336U1T90 |



## STRAIGHT CUTTING

| NEEDLE<br>TYPE                                                                    | SUTURE<br>LENGTH | COLOR  | USP        |            |            |
|-----------------------------------------------------------------------------------|------------------|--------|------------|------------|------------|
|                                                                                   |                  |        | 4/0        | 3/0        | 2/0        |
|  | 75cm             | violet | A0660S3T75 | A0560S3T75 | A0460S3T75 |
|                                                                                   | 90cm             |        | A0660S3T90 | A0560S3T90 | A0460S3T90 |

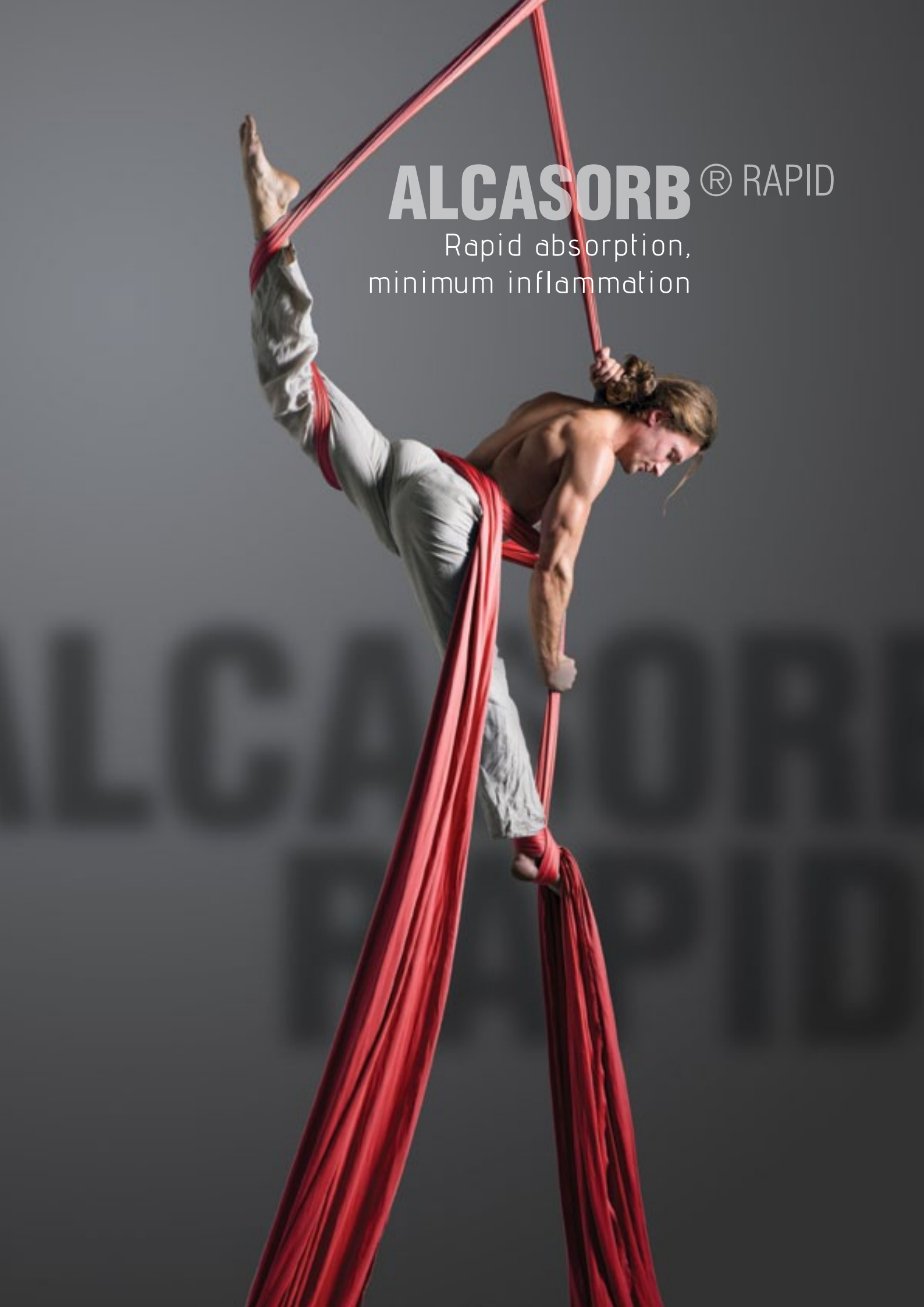
## 3/8 CIRCLE BLUNT POINT

| NEEDLE<br>TYPE                                                                   | SUTURE<br>LENGTH | COLOR  | USP        |            |            |
|----------------------------------------------------------------------------------|------------------|--------|------------|------------|------------|
|                                                                                  |                  |        | 0          | 1          | 2          |
|  | 75cm             | violet | A0363V2T75 | A0263V2T75 | A0163V2T75 |
|                                                                                  | 90cm             |        |            | A0263V2T90 | A0163V2T90 |

## SUTURES WITHOUT NEEDLE

| USP | 150cm    | 250cm    | 2x70cm   | 5x70cm   | 6x45cm   | 12x45cm  | 10x50cm  | 17x45cm  |
|-----|----------|----------|----------|----------|----------|----------|----------|----------|
| 5/0 | A07X1501 | A07X2501 | A07X7002 | A07X7005 | A07X4506 | A07X4512 | A07X5010 | A07X4517 |
| 4/0 | A06X1501 | A06X2501 | A06X7002 | A06X7005 | A06X4506 | A06X4512 | A06X5010 | A06X4517 |
| 3/0 | A05X1501 | A05X2501 | A05X7002 | A05X7005 | A05X4506 | A05X4512 | A05X5010 | A05X4517 |
| 2/0 | A04X1501 | A04X2501 | A04X7002 | A04X7005 | A04X4506 | A04X4512 |          |          |
| 0   | A03X1501 | A03X2501 | A03X7002 | A03X7005 | A03X4506 |          |          |          |
| 1   | A02X1501 | A02X2501 | A02X7002 | A02X7005 | A02X4506 |          |          |          |



A male aerialist with long hair tied back is performing a pose on a red aerial silk. He is suspended in the air, holding the silk with both hands and one foot. His body is arched, with his legs spread wide and one leg extended upwards. He is wearing light-colored, possibly white, leggings. The background is a solid, dark grey. The text 'ALCASORB® RAPID' is overlaid on the upper right portion of the image.

# ALCASORB® RAPID

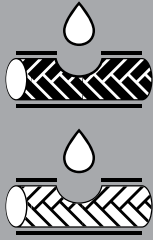
Rapid absorption,  
minimum inflammation

## PGAR - Polyglycolic Acid Rapid

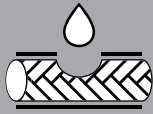
ALCASORB® RAPID sutures are synthetic absorbable sterile surgical sutures which are made of Polyglycolic Acid. The braided structure of the suture is coated. Coating material of Coated suture is prepared by Calcium Stearate and Polycaprolactone structure.

In order to ease of operation, ALCASORB® RAPID sutures are colored violet or undyed (natural, beige). ALCASORB® RAPID sutures have been presented in USP 6/0 – USP 2 gauge sizes in a variety of lengths from 10 cm to 150cm, as non-needled or attached to stainless steel needles of varying types and sizes. ALCASORB® RAPID sutures are sterilized by Gamma irradiation.

ALCASORB® RAPID



Absorbable, multifilament, coated, violet



Absorbable, multifilament, coated, undyed (beige)

### CHEMICAL STRUCTURE

100% Polyglycolic Acid, synthetic, absorbable, braided surgical suture

### COATING

Polycaprolactone and Calcium Stearate

### WOUND SUPPORT

~ 10-14 days

### ABSORPTION

~ 40-45 days

### TENSILE STRENGTH

5<sup>th</sup> day ~ 50%  
14<sup>th</sup> day ~ 0% wound support

### USP RANGE

6/0 - 2

### STERILIZATION

Gamma Irradiation

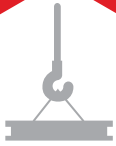
### PACKAGING

In aluminium foil packages, with needle or without needle



### HIGH INITIAL TENSILE STRENGTH

Excellent wound support



### BRAIDED STRUCTURE

Minimum suture memory  
High usage characteristic  
Flexibility  
Excellent tensile strength  
Excellent knot safety



### ABSORPTION BY PROGRESSIVE HYDROLYSIS

Predictable absorption rate  
Rapid absorption



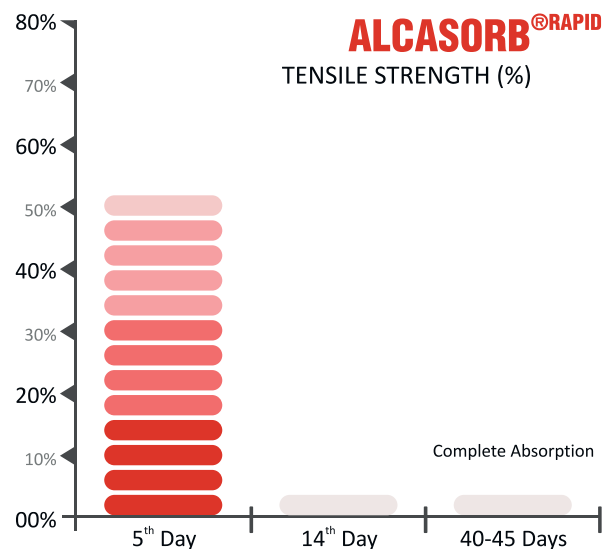
### COATED MULTIFILAMENT

Minimum wound trauma  
Minimum capillarity  
Ease of knot tying and adjustability



## AREAS OF USAGE

- Ophthalmic Surgery
- Urology
- Odontology
- Gynecology
- Pediatric Surgery
- Oral Surgery
- Plastic Surgery
- Skin Closure

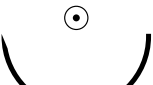
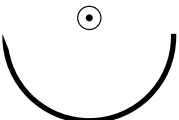
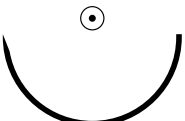
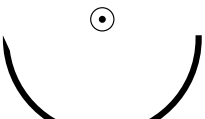
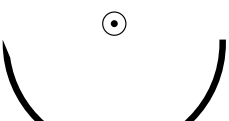
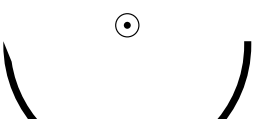




## 1/2 CIRCLE TAPER POINT

| NEEDLE<br>TYPE                                                                            | SUTURE<br>LENGTH | COLOR             | USP        |            |            |            |            |
|-------------------------------------------------------------------------------------------|------------------|-------------------|------------|------------|------------|------------|------------|
|                                                                                           |                  |                   | 6/0        | 5/0        | 4/0        | 3/0        | 2/0        |
| <br>13mm | 75cm             | undyed<br>(beige) | B0813Z1T75 | B0713Z1T75 |            |            |            |
| <br>16mm | 75cm             | undyed<br>(beige) | B0816Z1T75 | B0716Z1T75 | B0616Z1T75 |            |            |
| <br>18mm | 75cm             | undyed<br>(beige) |            |            | B0618Z1T75 | B0518Z1T75 |            |
| <br>20mm | 75cm             | undyed<br>(beige) |            |            | B0620Z1T75 | B0520Z1T75 | B0420Z1T75 |
| <br>22mm | 75cm             | undyed<br>(beige) |            |            | B0622Z1T75 | B0522Z1T75 |            |
| <br>25mm | 75cm             | undyed<br>(beige) |            |            | B0625Z1T75 | B0525Z1T75 | B0425Z1T75 |

## 1/2 CIRCLE TAPER POINT

| NEEDLE<br>TYPE                                                                              | SUTURE<br>LENGTH | COLOR             | USP                      |                          |                          |                          |                          |                          |
|---------------------------------------------------------------------------------------------|------------------|-------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
|                                                                                             |                  |                   | 4/0                      | 3/0                      | 2/0                      | 0                        | 1                        | 2                        |
| <br>26mm   | 75cm<br>90cm     | undyed<br>(beige) | B0626Z1T75<br>B0626Z1T90 | B0526Z1T75<br>B0526Z1T90 | B0426Z1T75<br>B0426Z1T90 | B0326Z1T75<br>B0326Z1T90 |                          |                          |
| <br>30mm   | 75cm             | undyed<br>(beige) |                          | B0530Z1T75               | B0430Z1T75               | B0330Z1T75               | B0230Z1T75               |                          |
| <br>35mm   | 75cm             | undyed<br>(beige) |                          |                          | B0435Z1T75               | B0335Z1T75               | B0235Z1T75               |                          |
| <br>36mm   | 75cm<br>90cm     | undyed<br>(beige) |                          | B0536Z1T75<br>B0536Z1T90 | B0436Z1T75<br>B0436Z1T90 |                          |                          |                          |
| <br>40mm   | 75cm<br>90cm     | undyed<br>(beige) |                          |                          | B0440Z1T75               | B0340Z1T75<br>B0340Z1T90 | B0240Z1T75<br>B0240Z1T90 | B0140Z1T75<br>B0140Z1T90 |
| <br>45mm | 75cm<br>90cm     | undyed<br>(beige) |                          |                          |                          | B0345Z1T75               | B0245Z1T75<br>B0245Z1T90 | B0145Z1T75<br>B0145Z1T90 |
| <br>50mm | 75cm<br>90cm     | undyed<br>(beige) |                          |                          |                          |                          | B0250Z1T75               | B0150Z1T75<br>B0150Z1T90 |

# 1/2 CIRCLE CUTTING EDGE

| NEEDLE<br>TYPE                                                                              | SUTURE<br>LENGTH | COLOR             | USP        |            |                          |                          |                          |                          |                          |
|---------------------------------------------------------------------------------------------|------------------|-------------------|------------|------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
|                                                                                             |                  |                   | 5/0        | 4/0        | 3/0                      | 2/0                      | 0                        | 1                        | 2                        |
| <br>16mm   | 75cm             | undyed<br>(beige) | B0716Z3T75 | B0616Z3T75 |                          |                          |                          |                          |                          |
| <br>19mm   | 75cm             | undyed<br>(beige) |            | B0619Z3T75 | B0519Z3T75               |                          |                          |                          |                          |
| <br>20mm   | 75cm             | undyed<br>(beige) |            | B0620Z3T75 | B0520Z3T75               | B0420Z3T75               |                          |                          |                          |
| <br>25mm   | 75cm             | undyed<br>(beige) |            |            | B0525Z3T75               | B0425Z3T75               |                          |                          |                          |
| <br>26mm   | 75cm<br>90cm     | undyed<br>(beige) |            |            | B0526Z3T75<br>B0526Z3T90 | B0426Z3T75<br>B0426Z3T90 | B0326Z3T75<br>B0326Z3T90 |                          |                          |
| <br>30mm   | 75cm             | undyed<br>(beige) |            |            |                          | B0430Z3T75               | B0330Z3T75               |                          |                          |
| <br>40mm  | 75cm<br>90cm     | undyed<br>(beige) |            |            |                          |                          | B0340Z3T75               | B0240Z3T75<br>B0240Z3T90 |                          |
| <br>48mm | 75cm<br>90cm     | undyed<br>(beige) |            |            |                          |                          |                          | B0248Z3T75               | B0148Z3T75<br>B0148Z3T90 |



### 3/8 CIRCLE CUTTING EDGE

| NEEDLE<br>TYPE                                                                              | SUTURE<br>LENGTH | COLOR             | USP                      |                          |                          |                          |                          |
|---------------------------------------------------------------------------------------------|------------------|-------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
|                                                                                             |                  |                   | 6/0                      | 5/0                      | 4/0                      | 3/0                      | 2/0                      |
| <br>13mm   | 60cm<br>75cm     | undyed<br>(beige) | B0813V3T60<br>B0813V3T75 | B0713V3T75               |                          |                          |                          |
| <br>16mm   | 60cm<br>75cm     | undyed<br>(beige) | B0816V3T60<br>B0816V3T75 | B0716V3T60<br>B0716V3T75 | B0616V3T60<br>B0616V3T75 | B0516V3T75               |                          |
| <br>19mm   | 75cm             | undyed<br>(beige) |                          |                          | B0619V3T75               |                          |                          |
| <br>20mm   | 75cm<br>90cm     | undyed<br>(beige) |                          |                          | B0620V3T75               | B0520V3T75<br>B0520V3T90 |                          |
| <br>22mm   | 75cm             | undyed<br>(beige) |                          |                          | B0622V3T75               | B0522V3T75               |                          |
| <br>25mm   | 75cm             | undyed<br>(beige) |                          |                          |                          | B0525V3T75               | B0425V3T75               |
| <br>26mm  | 75cm<br>90cm     | undyed<br>(beige) |                          |                          |                          | B0526V3T75<br>B0526V3T90 | B0426V3T75<br>B0426V3T90 |
| <br>30mm | 75cm<br>90cm     | undyed<br>(beige) |                          |                          |                          |                          | B0430V3T75<br>B0430V3T90 |
| <br>35mm | 75cm<br>90cm     | undyed<br>(beige) |                          |                          |                          | B0535V3T75<br>B0535V3T90 | B0435V3T75<br>B0435V3T90 |

### SUTURES WITHOUT NEEDLE

| USP | 150cm    | 250cm    | 6x45cm   | 12x45cm  | 10x50cm  | 17x45cm  |
|-----|----------|----------|----------|----------|----------|----------|
| 4/0 | B06X1501 | B06X2501 | B06X4506 |          |          |          |
| 3/0 | B05X1501 | B05X2501 | B05X4506 | B05X4512 |          | B05X4517 |
| 2/0 | B04X1501 | B04X2501 | B04X4506 | B04X4512 | B04X5010 | B04X4517 |
| 0   | B03X1501 | B03X2501 | B03X4506 | B03X4512 | B03X5010 |          |
| 1   | B02X1501 | B02X2501 | B02X4506 |          |          |          |
| 2   | B01X1501 | B01X2501 |          |          |          |          |





**ALCALACTINE®**

High tensile strength,  
excellent performance

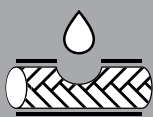
## PGLA - Poly (glycolic acid (90%)-co-lactic acid (10%))

ALCALACTINE® sutures are synthetic absorbable sterile surgical sutures which are composed of a copolymer made from 90% glycolide and 10% L-lactic acid. The braided structure of the suture is coated. Coated suture is prepared by Calcium Stearate and Polyglycolic Acid (30%), - Lactic Acid (70%) mixture.

In order to ease of operation, ALCALACTINE® sutures are coloured FDA approved D&C violet No:2 or undyed (natural, beige). ALCALACTINE® sutures have been presented in USP 8/0 – USP 2 gauge sizes in a variety of lengths from 10 cm to 150cm, as non-needed or attached to stainless steel needles of varying types and throws as warranted by surgical circumstance and the sizes.



Absorbable, multifilament, coated, violet



Absorbable, multifilament, coated, undyed (beige)

### CHEMICAL STRUCTURE

90% glycolide and 10% L-lactic acid synthetic, absorbable, braided surgical suture

### COATING

Poly (glycolide-co-L-lactide) and Calcium Stearate

### WOUND SUPPORT

~ 30 days

### ABSORPTION

~ 56-70 days

### TENSILE STRENGTH

2<sup>nd</sup> week ~ 75%  
3<sup>rd</sup> week ~ 40%-50% wound support

### USP RANGE

8/0 - 2

### STERILIZATION

EO (Ethylene Oxide)

### PACKAGING

In aluminium foil packages, with needle or without needle



## HIGH TENSILE STRENGTH

Excellent wound support



## BRAIDED STRUCTURE

Minimum suture memory  
High usage characteristic  
Flexibility  
Excellent tensile strength  
Excellent knot safety



## ABSORPTION BY PROGRESSIVE HYDROLYSIS

Predictable absorption rate



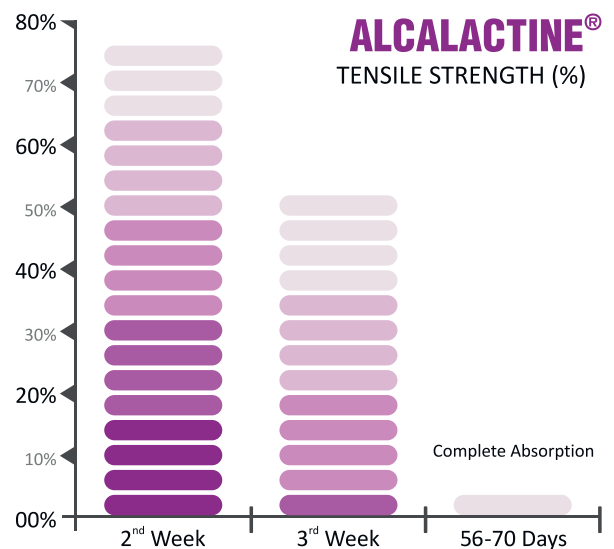
## COATED MULTIFILAMENT

Minimum tissue trauma  
Minimum capillarity  
Ease of knot tying and adjustability



## AREAS OF USAGE

- General Surgery
- Ophthalmic Surgery
- Gastrointestinal Surgery
- Gynecology
- Urology
- General Soft Tissue Approximation and / or Ligation
- Skin Closure
- Orthopedic Surgery





## 3/8 CIRCLE SPATULA

| NEEDLE TYPE                                                                                     | SUTURE LENGTH | COLOR  | USP        |     |     |     |
|-------------------------------------------------------------------------------------------------|---------------|--------|------------|-----|-----|-----|
|                                                                                                 |               |        | 8/0        | 7/0 | 6/0 | 5/0 |
| <br>6mm Double | 45cm          | violet | C1006V7F45 |     |     |     |

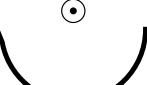
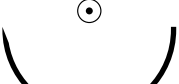
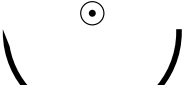
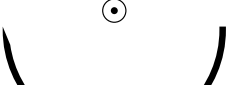
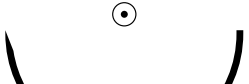
## 1/4 CIRCLE SPATULA

| NEEDLE TYPE                                                                                     | SUTURE LENGTH | COLOR  | USP |            |            |            |
|-------------------------------------------------------------------------------------------------|---------------|--------|-----|------------|------------|------------|
|                                                                                                 |               |        | 8/0 | 7/0        | 6/0        | 5/0        |
| <br>8mm Double | 45cm          | violet |     | C0908R7F45 | C0808R7F45 | C0708R7F45 |

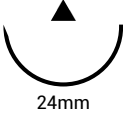
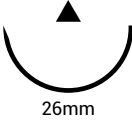
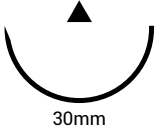
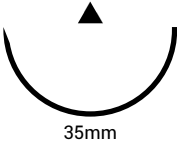
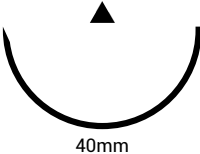
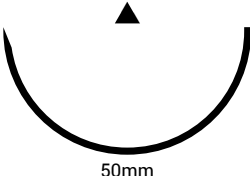
## 1/2 CIRCLE TAPER POINT

| NEEDLE TYPE                                                                                 | SUTURE LENGTH | COLOR  | USP                      |                          |            |            |            |   |
|---------------------------------------------------------------------------------------------|---------------|--------|--------------------------|--------------------------|------------|------------|------------|---|
|                                                                                             |               |        | 6/0                      | 5/0                      | 4/0        | 3/0        | 2/0        | 0 |
| <br>10mm   | 45cm<br>60cm  | violet | C0810Z1T45<br>C0810Z1T60 | C0710Z1T45<br>C0710Z1T60 |            |            |            |   |
| <br>13mm | 45cm<br>60cm  | violet | C0813Z1T45<br>C0813Z1T60 | C0713Z1T45<br>C0713Z1T60 | C0613Z1T60 |            |            |   |
| <br>16mm | 75cm          | violet |                          | C0716Z1T75               | C0616Z1T75 | C0516Z1T75 |            |   |
| <br>18mm | 75cm          | violet |                          |                          | C0618Z1T75 | C0518Z1T75 |            |   |
| <br>20mm | 75cm          | violet |                          |                          | C0620Z1T75 | C0520Z1T75 |            |   |
| <br>22mm | 75cm          | violet |                          |                          |            | C0522Z1T75 | C0422Z1T75 |   |
| <br>24mm | 75cm          | violet |                          |                          |            | C0524Z1T75 |            |   |

## 1/2 CIRCLE TAPER POINT

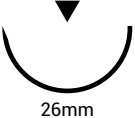
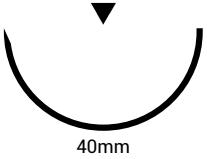
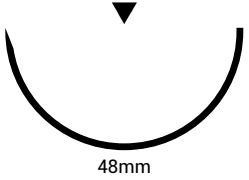
| NEEDLE<br>TYPE                                                                              | SUTURE<br>LENGTH | COLOR  | USP                      |                          |                          |                          |                          |                          |
|---------------------------------------------------------------------------------------------|------------------|--------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
|                                                                                             |                  |        | 4/0                      | 3/0                      | 2/0                      | 0                        | 1                        | 2                        |
| <br>26mm   | 75cm<br>90cm     | violet | C0626Z1T75<br>C0626Z1T90 | C0526Z1T75<br>C0526Z1T90 | C0426Z1T75<br>C0426Z1T90 | C0326Z1T75<br>C0326Z1T90 |                          |                          |
| <br>30mm   | 75cm<br>90cm     | violet |                          | C0530Z1T75               | C0430Z1T75               | C0330Z1T75<br>C0330Z1T90 | C0230Z1T75<br>C0230Z1T90 |                          |
| <br>35mm   | 75cm             | violet |                          |                          | C0435Z1T75               | C0335Z1T75               | C0235Z1T75               |                          |
| <br>36mm   | 75cm             | violet |                          |                          | C0436Z1T75               | C0336Z1T75               |                          |                          |
| <br>40mm   | 75cm<br>90cm     | violet |                          |                          | C0440Z1T75               | C0340Z1T75               | C0240Z1T75<br>C0240Z1T90 | C0140Z1T75<br>C0140Z1T90 |
| <br>45mm | 75cm<br>90cm     | violet |                          |                          |                          |                          | C0245Z1T75<br>C0245Z1T90 | C0145Z1T75<br>C0145Z1T90 |
| <br>48mm | 75cm<br>90cm     | violet |                          |                          |                          |                          | C0248Z1T75               | C0148Z1T75<br>C0148Z1T90 |
| <br>50mm | 75cm<br>90cm     | violet |                          |                          |                          |                          |                          | C0150Z1T75<br>C0150Z1T90 |

# 1/2 CIRCLE CUTTING EDGE

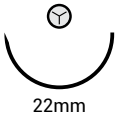
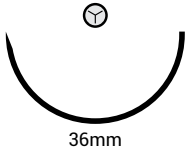
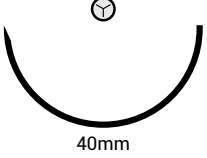
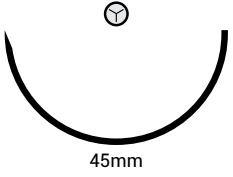
| NEEDLE<br>TYPE                                                                              | SUTURE<br>LENGTH | COLOR  | USP        |            |                          |                          |            |                          |                          |
|---------------------------------------------------------------------------------------------|------------------|--------|------------|------------|--------------------------|--------------------------|------------|--------------------------|--------------------------|
|                                                                                             |                  |        | 5/0        | 4/0        | 3/0                      | 2/0                      | 0          | 1                        | 2                        |
| <br>16mm   | 75cm             | violet | C0716Z3T75 |            |                          |                          |            |                          |                          |
| <br>20mm   | 75cm             | violet | C0720Z3T75 | C0620Z3T75 |                          |                          |            |                          |                          |
| <br>24mm   | 75cm             | violet |            |            | C0524Z3T75               |                          |            |                          |                          |
| <br>26mm   | 75cm<br>90cm     | violet |            |            | C0526Z3T75<br>C0526Z3T90 | C0426Z3T75<br>C0426Z3T90 |            |                          |                          |
| <br>30mm   | 75cm<br>90cm     | violet |            |            |                          | C0430Z3T75<br>C0430Z3T90 | C0330Z3T75 |                          |                          |
| <br>35mm  | 75cm             | violet |            |            |                          |                          | C0335Z3T75 | C0235Z3T75               |                          |
| <br>40mm | 75cm<br>90cm     |        |            |            |                          |                          |            | C0240Z3T75<br>C0240Z3T90 | C0140Z3T75<br>C0140Z3T90 |
| <br>50mm | 75cm<br>90cm     |        |            |            |                          |                          |            |                          | C0150Z3T75<br>C0150Z3T90 |



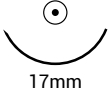
## 1/2 CIRCLE REVERSE CUTTING EDGE

| NEEDLE TYPE                                                                               | SUTURE LENGTH | COLOR  | USP        |                          |                          |                          |
|-------------------------------------------------------------------------------------------|---------------|--------|------------|--------------------------|--------------------------|--------------------------|
|                                                                                           |               |        | 2/0        | 0                        | 1                        | 2                        |
| <br>26mm | 75cm          | violet | C0426Z4T75 | C0326Z4T75               | C0226Z4T75               |                          |
| <br>40mm | 75cm<br>90cm  | violet |            | C0340Z4T75<br>C0340Z4T90 | C0240Z4T75<br>C0240Z4T90 |                          |
| <br>48mm | 75cm<br>90cm  | violet |            | C0348Z4T75               | C0248Z4T75<br>C0248Z4T90 | C0148Z4T75<br>C0148Z4T90 |

## 1/2 CIRCLE TAPER CUT

| NEEDLE TYPE                                                                                 | SUTURE LENGTH | COLOR  | USP                      |                          |                          |                          |                          |            |
|---------------------------------------------------------------------------------------------|---------------|--------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|------------|
|                                                                                             |               |        | 4/0                      | 3/0                      | 2/0                      | 0                        | 1                        | 2          |
| <br>22mm  | 75cm<br>90cm  | violet | C0622Z5T75<br>C0622Z5T90 | C0522Z5T75<br>C0522Z5T90 | C0422Z5T75<br>C0422Z5T90 |                          |                          |            |
| <br>36mm | 75cm<br>90cm  | violet |                          | C0536Z5T75<br>C0536Z5T90 | C0436Z5T75<br>C0436Z5T90 | C0336Z5T75<br>C0336Z5T90 | C0236Z5T75               |            |
| <br>40mm | 75cm<br>90cm  | violet |                          |                          | C0440Z5T75               | C0340Z5T75<br>C0340Z5T90 | C0240Z5T75<br>C0240Z5T90 |            |
| <br>45mm | 75cm<br>90cm  | violet |                          |                          |                          | C0345Z5T75<br>C0345Z5T90 | C0245Z5T75<br>C0245Z5T90 | C0145Z5T90 |

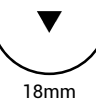
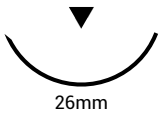
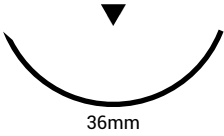
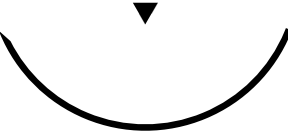
## 3/8 CIRCLE TAPER POINT

| NEEDLE TYPE                                                                                 | SUTURE LENGTH | COLOR  | USP                      |            |            |
|---------------------------------------------------------------------------------------------|---------------|--------|--------------------------|------------|------------|
|                                                                                             |               |        | 6/0                      | 5/0        | 4/0        |
| <br>13mm | 60cm<br>75cm  | violet | C0813V1T60<br>C0813V1T75 | C0713V1T75 | C0613V1T75 |
| <br>17mm | 75cm          | violet |                          | C0717V1T75 | C0617V1T75 |

### 3/8 CIRCLE CUTTING EDGE

| NEEDLE TYPE                                                                               | SUTURE LENGTH | COLOR  | USP                      |                          |                          |                          |                          |
|-------------------------------------------------------------------------------------------|---------------|--------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
|                                                                                           |               |        | 5/0                      | 4/0                      | 3/0                      | 2/0                      | 0                        |
| <br>16mm | 60cm<br>75cm  | violet | C0716V3T60<br>C0716V3T75 | C0616V3T60<br>C0616V3T75 | C0516V3T75               |                          |                          |
| <br>20mm | 75cm          | violet |                          | C0620V3T75               | C0520V3T75               |                          |                          |
| <br>26mm | 75cm<br>90cm  | violet |                          | C0626V3T75               | C0526V3T75<br>C0526V3T90 | C0426V3T75<br>C0426V3T90 |                          |
| <br>30mm | 75cm<br>90cm  | violet |                          |                          | C0530V3T75               | C0430V3T75<br>C0430V3T90 | C0330V3T75<br>C0330V3T90 |

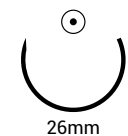
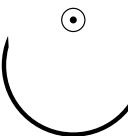
### 3/8 CIRCLE REVERSE CUTTING EDGE

| NEEDLE TYPE                                                                                        | SUTURE LENGTH | COLOR  | USP                      |                          |                          |                          |                          |                          |
|----------------------------------------------------------------------------------------------------|---------------|--------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
|                                                                                                    |               |        | 5/0                      | 4/0                      | 3/0                      | 2/0                      | 1                        | 2                        |
| <br>13mm          | 75cm          | violet | C0713V4T75               | C0613V4T75               |                          |                          |                          |                          |
| <br>13mm Double | 45cm<br>60cm  | violet | C0713V4F45<br>C0713V4F60 |                          |                          |                          |                          |                          |
| <br>18mm        | 45cm<br>75cm  | violet |                          | C0618V4T45<br>C0618V4T75 |                          |                          |                          |                          |
| <br>26mm        | 75cm<br>90cm  | violet |                          |                          | C0526V4T75<br>C0526V4T90 | C0426V4T75<br>C0426V4T90 |                          |                          |
| <br>36mm        | 75cm<br>90cm  | violet |                          |                          |                          | C0436V4T75<br>C0436V4T90 | C0236V4T75               |                          |
| <br>48mm         | 75cm<br>90cm  | violet |                          |                          |                          |                          | C0248V4T75<br>C0248V4T90 | C0148V4T75<br>C0148V4T90 |

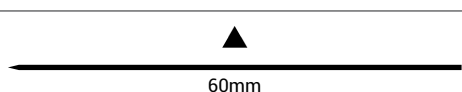
### 3/8 CIRCLE TAPER CUT

| NEEDLE TYPE                                                                                 | SUTURE LENGTH | COLOR  | USP        |            |            |
|---------------------------------------------------------------------------------------------|---------------|--------|------------|------------|------------|
|                                                                                             |               |        | 5/0        | 4/0        | 3/0        |
| <br>17mm | 75cm          | violet | C0717V5T75 | C0617V5T75 | C0517V5T75 |

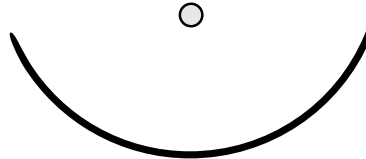
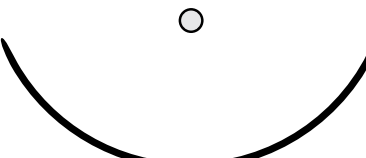
## 5/8 CIRCLE TAPER POINT

| NEEDLE TYPE                                                                               | SUTURE LENGTH | COLOR  | USP                      |                          |
|-------------------------------------------------------------------------------------------|---------------|--------|--------------------------|--------------------------|
|                                                                                           |               |        | 2/0                      | 0                        |
| <br>26mm | 75cm<br>90cm  | violet | C0426U1T75<br>C0426U1T90 |                          |
| <br>36mm | 75cm<br>90cm  | violet | C0436U1T75<br>C0436U1T90 | C0336U1T75<br>C0336U1T90 |

## STRAIGHT CUTTING

| NEEDLE TYPE                                                                               | SUTURE LENGTH | COLOR  | USP                      |                          |                          |
|-------------------------------------------------------------------------------------------|---------------|--------|--------------------------|--------------------------|--------------------------|
|                                                                                           |               |        | 4/0                      | 3/0                      | 2/0                      |
| <br>60mm | 75cm<br>90cm  | violet | C0660S3T75<br>C0660S3T90 | C0560S3T75<br>C0560S3T90 | C0460S3T75<br>C0460S3T90 |

## 3/8 CIRCLE BLUNT POINT

| NEEDLE TYPE                                                                                | SUTURE LENGTH | COLOR  | USP                      |                          |
|--------------------------------------------------------------------------------------------|---------------|--------|--------------------------|--------------------------|
|                                                                                            |               |        | 1                        | 2                        |
| <br>60mm  | 75cm<br>90cm  | violet | C0260V2T75<br>C0260V2T90 | C0160V2T75<br>C0160V2T90 |
| <br>63mm | 75cm<br>90cm  | violet | C0263V2T75               | C0163V2T75<br>C0163V2T90 |

## SUTURES WITHOUT NEEDLE

| USP | 150cm    | 250cm    | 6x45cm   | 12x45cm  | 10x50cm  | 17x45cm  |
|-----|----------|----------|----------|----------|----------|----------|
| 4/0 | C06X1501 | C06X2501 | C06X4506 |          |          |          |
| 3/0 | C05X1501 | C05X2501 | C05X4506 | C05X4512 |          | C05X4517 |
| 2/0 | C04X1501 | C04X2501 | C04X4506 | C04X4512 | C04X5010 | C04X4517 |
| 0   | C03X1501 | C03X2501 | C03X4506 | C03X4512 | C03X5010 |          |
| 1   | C02X1501 | C02X2501 | C02X4506 |          |          |          |



A man with long hair and a beard is performing an aerial act using red silks. He is in a dynamic pose, with one leg extended upwards and the other bent, holding onto the silks. He is wearing light-colored pants. The background is a solid grey color.

# ALCALACTINE<sup>®</sup> RAPID

Best solution for  
short-term wound support

## PGLAR - Poly (glycolic acid (90%)-co-lactic acid (10%)) Rapid

ALCALACTINE® RAPID sutures are synthetic absorbable sterile surgical sutures which are composed of a copolymer made from 90% glycolide and 10% L-lactic acid. The braided structure of the suture is coated. Coated suture is prepared by Calcium Stearate and Polyglycolic Acid (30%), - Lactic Acid (70%) mixture. ALCALACTINE® RAPID sutures are sterilized by Gamma Irradiation.

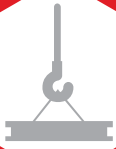
In order to ease of operation, ALCALACTINE® RAPID sutures are colored violet or undyed (natural, beige). ALCALACTINE® RAPID sutures have been presented in USP 6/0 – USP 2 gauge sizes in a variety of lengths from 10 cm to 150 cm, as non-needled or attached to stainless steel needles of varying types and sizes.

|                                                                                   |                                                                                    |
|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|
|  | Absorbable, multifilament, coated, violet                                          |
|  | Absorbable, multifilament, coated, undyed (beige)                                  |
| <b>CHEMICAL STRUCTURE</b>                                                         | 90% glycolide and 10% L-lactic acid synthetic, absorbable, braided surgical suture |
| <b>COATING</b>                                                                    | Poly (glycolide-co-L-lactide) and Calcium Stearate                                 |
| <b>WOUND SUPPORT</b>                                                              | ~ 10-14 days                                                                       |
| <b>ABSORPTION</b>                                                                 | ~ 40-45 days                                                                       |
| <b>TENSILE STRENGTH</b>                                                           | 5 <sup>th</sup> day ~ 50%<br>14 <sup>th</sup> day ~ 0% wound support               |
| <b>USP RANGE</b>                                                                  | 6/0 - 2                                                                            |
| <b>STERILIZATION</b>                                                              | Gamma Irradiation                                                                  |
| <b>PACKAGING</b>                                                                  | In aluminium foil packages, with needle or without needle                          |



### HIGH INITIAL TENSILE STRENGTH

Excellent wound support



### BRAIDED STRUCTURE

Minimum suture memory  
High usage characteristic  
Flexibility  
Excellent tensile strength  
Excellent knot safety



### ABSORPTION BY PROGRESSIVE HYDROLYSIS

Predictable absorption rate



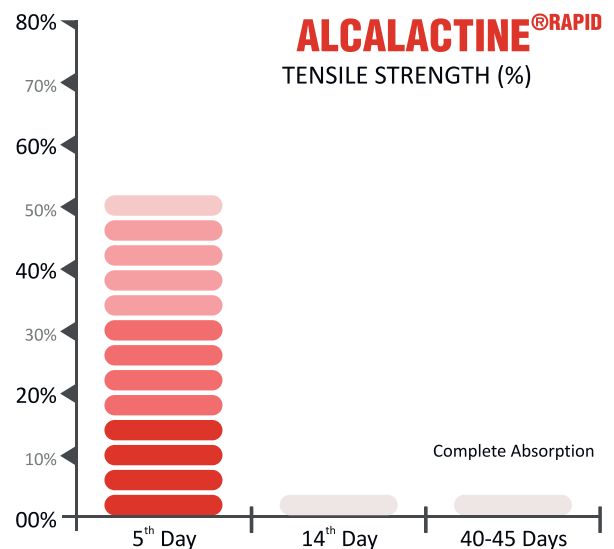
### COATED MULTIFILAMENT

Minimum wound trauma  
Minimum capillarity  
Ease of knot tying and adjustability



## AREAS OF USAGE

- Urology
- Ophthalmic Surgery
- Superficial Soft Tissue Approximation
- Odontology
- Gynecology
- Pediatric Surgery



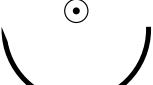
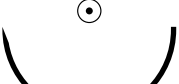
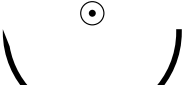
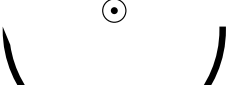
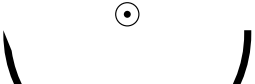


## 1/2 CIRCLE TAPER POINT

| NEEDLE TYPE                                                                                 | SUTURE LENGTH | COLOR          | USP        |            |            |                          |                          |
|---------------------------------------------------------------------------------------------|---------------|----------------|------------|------------|------------|--------------------------|--------------------------|
|                                                                                             |               |                | 6/0        | 5/0        | 4/0        | 3/0                      | 2/0                      |
| <br>13mm   | 75cm          | undyed (beige) | D0813Z1T75 | D0713Z1T75 |            |                          |                          |
| <br>16mm   | 75cm          | undyed (beige) | D0816Z1T75 | D0716Z1T75 | D0616Z1T75 |                          |                          |
| <br>17mm   | 75cm          | undyed (beige) |            |            | D0617Z1T75 |                          |                          |
| <br>18mm   | 75cm          | undyed (beige) |            |            | D0618Z1T75 | D0518Z1T75               |                          |
| <br>20mm   | 75cm          | undyed (beige) |            |            | D0620Z1T75 | D0520Z1T75               | D0420Z1T75               |
| <br>22mm   | 75cm          | undyed (beige) |            |            | D0622Z1T75 | D0522Z1T75               |                          |
| <br>24mm | 75cm          | undyed (beige) |            |            |            | D0524Z1T75               | D0424Z1T75               |
| <br>25mm | 75cm<br>90cm  | undyed (beige) |            |            | D0625Z1T75 | D0525Z1T75<br>D0525Z1T90 | D0425Z1T75<br>D0425Z1T90 |



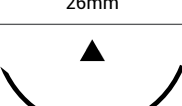
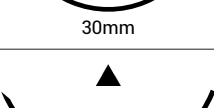
# 1/2 CIRCLE TAPER POINT

| NEEDLE<br>TYPE                                                                              | SUTURE<br>LENGTH | COLOR             | USP                      |                          |                          |                          |                          |                          |
|---------------------------------------------------------------------------------------------|------------------|-------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
|                                                                                             |                  |                   | 4/0                      | 3/0                      | 2/0                      | 0                        | 1                        | 2                        |
| <br>26mm   | 75cm<br>90cm     | undyed<br>(beige) | D0626Z1T75<br>D0626Z1T90 | D0526Z1T75<br>D0526Z1T90 | D0426Z1T75<br>D0426Z1T90 | D0326Z1T75<br>D0326Z1T90 |                          |                          |
| <br>30mm   | 75cm             | undyed<br>(beige) |                          | D0530Z1T75               | D0430Z1T75               | D0330Z1T75               | D0230Z1T75               |                          |
| <br>35mm   | 75cm             | undyed<br>(beige) |                          |                          | D0435Z1T75               | D0335Z1T75               | D0235Z1T75               |                          |
| <br>36mm   | 75cm             | undyed<br>(beige) |                          | D0536Z1T75               | D0436Z1T75               | D0336Z1T75               |                          |                          |
| <br>40mm   | 75cm<br>90cm     | undyed<br>(beige) |                          |                          | D0440Z1T75               | D0340Z1T75<br>D0340Z1T90 | D0240Z1T75<br>D0240Z1T90 | D0140Z1T75               |
| <br>45mm | 75cm<br>90cm     | undyed<br>(beige) |                          |                          |                          | D0345Z1T75               | D0245Z1T75<br>D0245Z1T90 | D0145Z1T75<br>D0145Z1T90 |
| <br>50mm | 75cm<br>90cm     | undyed<br>(beige) |                          |                          |                          |                          | D0250Z1T75<br>D0250Z1T90 | D0150Z1T75<br>D0150Z1T90 |

## 1/2 CIRCLE CUTTING EDGE

| NEEDLE<br>TYPE                                                                              | SUTURE<br>LENGTH | COLOR             | USP        |            |                          |                          |            |                          |                          |
|---------------------------------------------------------------------------------------------|------------------|-------------------|------------|------------|--------------------------|--------------------------|------------|--------------------------|--------------------------|
|                                                                                             |                  |                   | 5/0        | 4/0        | 3/0                      | 2/0                      | 0          | 1                        | 2                        |
| <br>16mm   | 75cm             | undyed<br>(beige) | D0716Z3T75 | D0616Z3T75 |                          |                          |            |                          |                          |
| <br>19mm   | 75cm             | undyed<br>(beige) |            | D0619Z3T75 | D0519Z3T75               |                          |            |                          |                          |
| <br>20mm   | 75cm             | undyed<br>(beige) |            | D0620Z3T75 | D0520Z3T75               | D0420Z3T75               |            |                          |                          |
| <br>24mm   | 75cm             | undyed<br>(beige) |            |            | D0524Z3T75               |                          |            |                          |                          |
| <br>25mm   | 75cm             | undyed<br>(beige) |            |            | D0525Z3T75               | D0425Z3T75               |            |                          |                          |
| <br>26mm   | 75cm<br>90cm     | undyed<br>(beige) |            |            | D0526Z3T75<br>D0526Z3T90 | D0426Z3T75<br>D0426Z3T90 |            |                          |                          |
| <br>30mm  | 75cm             | undyed<br>(beige) |            |            |                          | D0430Z3T75               |            |                          |                          |
| <br>40mm | 75cm<br>90cm     | undyed<br>(beige) |            |            |                          |                          | D0340Z3T75 | D0240Z3T75<br>D0240Z3T90 |                          |
| <br>48mm | 75cm<br>90cm     | undyed<br>(beige) |            |            |                          |                          |            | D0248Z3T75<br>D0248Z3T90 | D0148Z3T75<br>D0148Z3T90 |

### 3/8 CIRCLE CUTTING EDGE

| NEEDLE<br>TYPE                                                                              | SUTURE<br>LENGTH | COLOR             | USP                      |                          |                          |                          |                          |
|---------------------------------------------------------------------------------------------|------------------|-------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
|                                                                                             |                  |                   | 6/0                      | 5/0                      | 4/0                      | 3/0                      | 2/0                      |
| <br>13mm   | 75cm             | undyed<br>(beige) | D0813V3T75               | D0713V3T75               |                          |                          |                          |
| <br>16mm   | 60cm<br>75cm     | undyed<br>(beige) | D0816V3T60<br>D0816V3T75 | D0716V3T60<br>D0716V3T75 | D0616V3T60<br>D0616V3T75 | D0516V3T75               |                          |
| <br>20mm   | 75cm             | undyed<br>(beige) |                          |                          | D0620V3T75               | D0520V3T75               |                          |
| <br>22mm   | 75cm             | undyed<br>(beige) |                          |                          | D0622V3T75               | D0522V3T75               |                          |
| <br>25mm   | 75cm             | undyed<br>(beige) |                          |                          |                          | D0525V3T75               | D0425V3T75               |
| <br>26mm   | 75cm<br>90cm     | undyed<br>(beige) |                          |                          |                          | D0526V3T75<br>D0526V3T90 | D0426V3T75<br>D0426V3T90 |
| <br>30mm  | 75cm             | undyed<br>(beige) |                          |                          |                          | D0530V3T75               | D0430V3T75               |
| <br>35mm | 75cm<br>90cm     | undyed<br>(beige) |                          |                          |                          | D0535V3T75<br>D0535V3T90 | D0435V3T75<br>D0435V3T90 |

### SUTURES WITHOUT NEEDLE

| USP | 150cm    | 250cm    | 6x45cm   | 12x45cm  | 10x50cm  | 17x45cm  |
|-----|----------|----------|----------|----------|----------|----------|
| 4/0 | D06X1501 | D06X2501 | D06X4506 |          |          |          |
| 3/0 | D05X1501 | D05X2501 | D05X4506 | D05X4512 |          | D05X4517 |
| 2/0 | D04X1501 | D04X2501 | D04X4506 | D04X4512 | D04X5010 | D04X4517 |
| 0   | D03X1501 | D03X2501 | D03X4506 | D03X4512 | D03X5010 |          |
| 1   | D02X1501 | D02X2501 | D02X4506 |          |          |          |
| 2   | D01X1501 | D01X2501 |          |          |          |          |



A shirtless man with dark hair is suspended horizontally by a thick yellow aerial silk. He is holding the silk with his right hand near his waist and has his left leg extended downwards. His left arm is extended outwards to the left. He is wearing light-colored trousers. The background is a solid dark grey. The word 'ALCALACTONE' is printed in large, bold, white capital letters across the middle of the image, with a registered trademark symbol (®) to its right. Below the brand name, the text 'Easy tissue penetration, minimum wound trauma' is written in a smaller, white, sans-serif font.

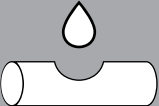
# ALCALACTONE®

Easy tissue penetration,  
minimum wound trauma

## PGCL - Poly (glycolic acid (75%)-co-caprolactone (25%))

ALCALACTONE® sutures are synthetic absorbable sterile surgical sutures which are made of Polyglycolide and caprolactone.

In order to ease of operation, ALCALACTONE® sutures are coloured D&G violet No: 2 or undyed (beige,natural). ALCALACTONE® sutures have been presented in USP 6/0 – USP 2 gauge sizes in a variety of lengths from 10 cm to 150cm , as non-needled or attached to stainless steel needles of varying types and sizes.

|                                                                                   |                                                                                         |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|
|  | Absorbable, monofilament, violet                                                        |
|  | Absorbable, monofilament, undyed                                                        |
| <b>CHEMICAL STRUCTURE</b>                                                         | Poly (glycolic acid (75%)-co-caprolactone (25%)) synthetic, absorbable, surgical suture |
| <b>COATING</b>                                                                    | -                                                                                       |
| <b>WOUND SUPPORT</b>                                                              | ~ 21 days                                                                               |
| <b>ABSORPTION</b>                                                                 | ~ 90-120 days                                                                           |
| <b>TENSILE STRENGTH</b>                                                           | 1 <sup>st</sup> week ~ 60%-70%<br>2 <sup>nd</sup> week ~ 30%-40% wound support          |
| <b>USP RANGE</b>                                                                  | 6/0 - 2                                                                                 |
| <b>STERILIZATION</b>                                                              | EO (Ethylene Oxide)                                                                     |
| <b>PACKAGING</b>                                                                  | In aluminium foil packages, with needle or without needle                               |



### ABSORPTION BY PROGRESSIVE HYDROLYSIS

Predictable absorption rate



### FLEXIBILITY AND SOFTNESS

Superior ease of use  
Easy and safety knot tying

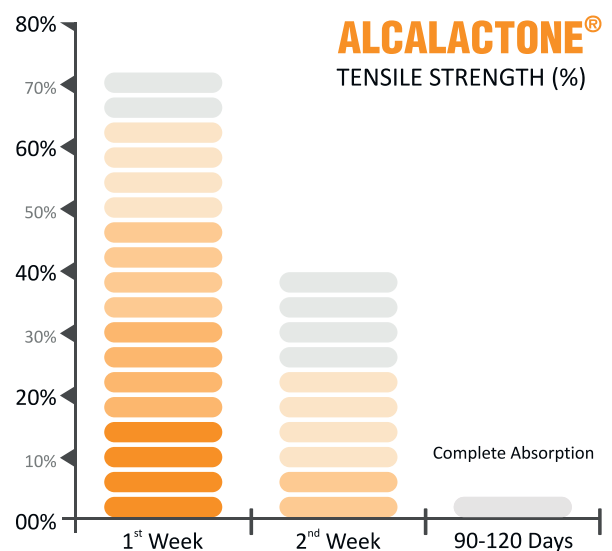


### SMOOTH MONOFILAMENT STRUCTURE AT MICROSCOPIC LEVEL

Minimum wound trauma  
Excellent surface to prevent  
bacterial adherence

## AREAS OF USAGE

- Skin Closure
- General Soft Tissue Approximation and / or Ligation
- Gynecology
- Dermatology
- Plastic Surgery
- Gastrointestinal Surgery
- Urology
- General Surgery
- Ligations





### 1/2 CIRCLE TAPER POINT

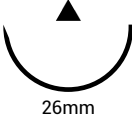
| NEEDLE TYPE                                                                                 | SUTURE LENGTH | COLOR  | USP        |            |                          |                          |            |
|---------------------------------------------------------------------------------------------|---------------|--------|------------|------------|--------------------------|--------------------------|------------|
|                                                                                             |               |        | 6/0        | 5/0        | 4/0                      | 3/0                      | 2/0        |
| <br>13mm   | 75cm          | violet | G0813Z1T75 | G0713Z1T75 |                          |                          |            |
| <br>16mm   | 75cm          | violet |            | G0716Z1T75 | G0616Z1T75               |                          |            |
| <br>18mm   | 75cm          | violet |            |            |                          | G0518Z1T75               |            |
| <br>20mm   | 75cm          | violet |            |            | G0620Z1T75               | G0520Z1T75               |            |
| <br>22mm   | 75cm          | violet |            |            | G0622Z1T75               | G0522Z1T75               |            |
| <br>25mm   | 75cm          | violet |            |            | G0625Z1T75               | G0525Z1T75               | G0425Z1T75 |
| <br>26mm | 75cm<br>90cm  | violet |            |            | G0626Z1T75<br>G0626Z1T90 | G0526Z1T75<br>G0526Z1T90 |            |

### 1/2 CIRCLE TAPER POINT

| NEEDLE TYPE                                                                                 | SUTURE LENGTH | COLOR  | USP        |            |                          |                          |                          |
|---------------------------------------------------------------------------------------------|---------------|--------|------------|------------|--------------------------|--------------------------|--------------------------|
|                                                                                             |               |        | 3/0        | 2/0        | 0                        | 1                        | 2                        |
| <br>30mm | 75cm          | violet | G0530Z1T75 | G0430Z1T75 |                          |                          |                          |
| <br>40mm | 75cm<br>90cm  | violet |            | G0440Z1T75 | G0340Z1T75               | G0240Z1T75<br>G0240Z1T90 |                          |
| <br>45mm | 75cm<br>90cm  | violet |            |            |                          | G0245Z1T75<br>G0245Z1T90 | G0145Z1T75<br>G0145Z1T90 |
| <br>50mm | 75cm<br>90cm  | violet |            |            | G0350Z1T75<br>G0350Z1T90 | G0250Z1T75               | G0150Z1T75<br>G0150Z1T90 |



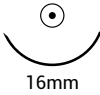
### 1/2 CIRCLE CUTTING EDGE

| NEEDLE TYPE                                                                               | SUTURE LENGTH | COLOR  | USP        |            |                          |                          |
|-------------------------------------------------------------------------------------------|---------------|--------|------------|------------|--------------------------|--------------------------|
|                                                                                           |               |        | 5/0        | 4/0        | 3/0                      | 2/0                      |
| <br>16mm | 75cm          | violet | G0716Z3T75 | G0616Z3T75 |                          |                          |
| <br>20mm | 75cm          | violet | G0720Z3T75 | G0620Z3T75 | G0520Z3T75               |                          |
| <br>26mm | 75cm<br>90cm  | violet |            |            | G0526Z3T75<br>G0526Z3T90 | G0426Z3T75<br>G0426Z3T90 |

### 3/8 CIRCLE CUTTING EDGE

| NEEDLE TYPE                                                                                 | SUTURE LENGTH | COLOR  | USP        |            |                          |                          |
|---------------------------------------------------------------------------------------------|---------------|--------|------------|------------|--------------------------|--------------------------|
|                                                                                             |               |        | 5/0        | 4/0        | 3/0                      | 2/0                      |
| <br>16mm   | 75cm          | violet | G0716V3T75 | G0616V3T75 |                          |                          |
| <br>19mm   | 75cm          | violet |            | G0619V3T75 | G0519V3T75               |                          |
| <br>20mm | 75cm          | violet |            | G0620V3T75 | G0520V3T75               |                          |
| <br>26mm | 75cm<br>90cm  | violet |            |            | G0526V3T75<br>G0526V3T90 | G0426V3T75<br>G0426V3T90 |

### 3/8 CIRCLE TAPER POINT

| NEEDLE TYPE                                                                                 | SUTURE LENGTH | COLOR  | USP        |                          |                          |
|---------------------------------------------------------------------------------------------|---------------|--------|------------|--------------------------|--------------------------|
|                                                                                             |               |        | 6/0        | 5/0                      | 4/0                      |
| <br>13mm | 75cm          | violet | G0813V1T75 | G0713V1T75               |                          |
| <br>16mm | 60cm<br>75cm  | violet |            | G0716V1T60<br>G0716V1T75 | G0616V1T60<br>G0616V1T75 |

## 3/8 CIRCLE REVERSE CUTTING EDGE

| NEEDLE<br>TYPE                                                                            | SUTURE<br>LENGTH | COLOR  | USP        |                          |                          |                          |
|-------------------------------------------------------------------------------------------|------------------|--------|------------|--------------------------|--------------------------|--------------------------|
|                                                                                           |                  |        | 6/0        | 5/0                      | 4/0                      | 3/0                      |
| <br>13mm | 75cm             | violet | G0813V4T75 | G0713V4T75               |                          |                          |
| <br>16mm | 60cm<br>75cm     | violet |            | G0716V4T60<br>G0716V4T75 | G0616V4T60<br>G0616V4T75 |                          |
| <br>19mm | 75cm             | violet |            | G0719V4T75               | G0619V4T75               |                          |
| <br>24mm | 75cm<br>90cm     | violet |            |                          |                          | G0524V4T75<br>G0524V4T90 |



**ALCADINONE®**

Reliable,  
long-term,  
strong wound support

## PDO - Polydioxanone

ALCADINONE® sutures are synthetic absorbable sterile surgical sutures which are made of Polydioxanone.

In order to ease of operation, ALCADINONE® sutures are coloured FDA approved D&C violet No: 2. ALCADINONE® sutures have been presented in USP 6/0 – USP 2 gauge sizes in a variety of lengths from 10 cm to 150 cm, as non- needled or attached to stainless steel needles of varying types and sizes.

|                                                                                   |                                                                            |
|-----------------------------------------------------------------------------------|----------------------------------------------------------------------------|
|  | Absorbable, monofilament, violet                                           |
| <b>CHEMICAL STRUCTURE</b>                                                         | Polydioxanone, synthetic, absorbable, monofilament surgical suture         |
| <b>COATING</b>                                                                    | -                                                                          |
| <b>WOUND SUPPORT</b>                                                              | ~ 60 days                                                                  |
| <b>ABSORPTION</b>                                                                 | ~ 180-210 days                                                             |
| <b>TENSILE STRENGTH</b>                                                           | 2 <sup>nd</sup> week ~ 75%<br>4 <sup>th</sup> week ~ 50%-60% wound support |
| <b>USP RANGE</b>                                                                  | 6/0 - 2                                                                    |
| <b>STERILIZATION</b>                                                              | EO (Ethylene Oxide)                                                        |
| <b>PACKAGING</b>                                                                  | In aluminium foil packages, with needle or without needle                  |



### HIGH AND LONG TERM TENSILE STRENGTH

Superior structure maintaining its tensile strength for long-term wound support



### SMOOTH MONOFILAMENT STRUCTURE AT MICROSCOPIC LEVEL

Minimum wound trauma  
Excellent surface to prevent bacterial adherence

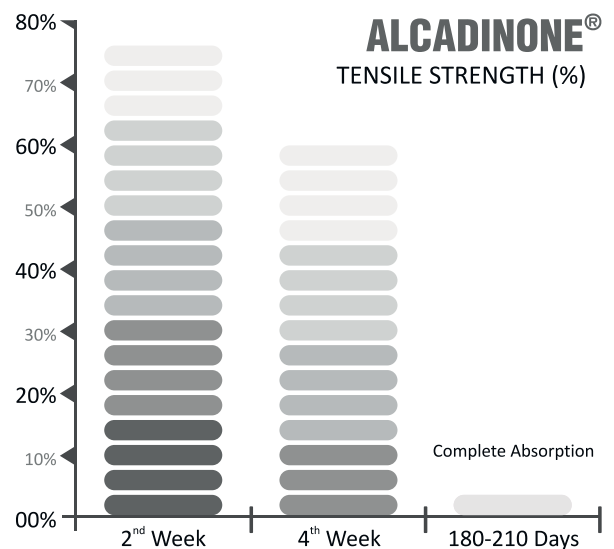


### ABSORPTION BY PROGRESSIVE HYDROLYSIS

Predictable absorption rate

## AREAS OF USAGE

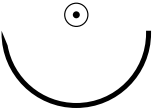
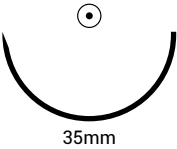
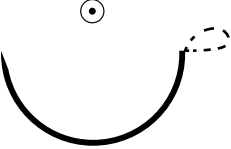
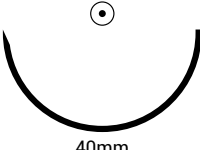
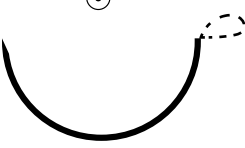
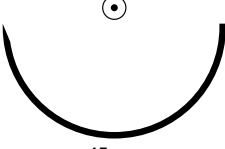
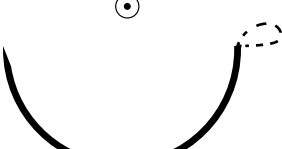
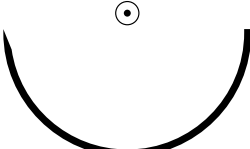
- Orthopedic Surgery (tendon, joint capsule)
- Soft Tissue Approximations
- General Surgery
- Dermatology
- Ligations
- Plastic Surgery
- Cardiovascular Surgery
- Plastic Surgery
- Urology
- Ophthalmic Surgery
- Abdominal Wall Closure



1/2 CIRCLE TAPER POINT

| NEEDLE<br>TYPE                                                                                   | SUTURE<br>LENGTH | COLOR  | USP                      |                          |                          |                          |                          |                          |
|--------------------------------------------------------------------------------------------------|------------------|--------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
|                                                                                                  |                  |        | 6/0                      | 5/0                      | 4/0                      | 3/0                      | 2/0                      | 0                        |
| <br>13mm        | 45cm<br>75cm     | violet | H0813Z1T45<br>H0813Z1T75 | H0713Z1T45<br>H0713Z1T75 |                          |                          |                          |                          |
| <br>16mm        | 75cm             | violet |                          | H0716Z1T75               | H0616Z1T75               | H0516Z1T75               |                          |                          |
| <br>16mm Double | 60cm<br>75cm     | violet |                          | H0716Z1F60<br>H0716Z1F75 | H0616Z1F60<br>H0616Z1F75 |                          |                          |                          |
| <br>17mm        | 75cm             | violet |                          |                          | H0617Z1T75               |                          |                          |                          |
| <br>20mm        | 75cm             | violet |                          |                          | H0620Z1T75               | H0520Z1T75               |                          |                          |
| <br>22mm       | 75cm             | violet |                          |                          |                          | H0522Z1T75               |                          |                          |
| <br>25mm      | 75cm             | violet |                          |                          | H0625Z1T75               | H0525Z1T75               | H0425Z1T75               |                          |
| <br>26mm      | 75cm<br>90cm     | violet |                          |                          | H0626Z1T75<br>H0626Z1T90 | H0526Z1T75<br>H0526Z1T90 | H0426Z1T75<br>H0426Z1T90 | H0326Z1T75<br>H0326Z1T90 |

## 1/2 CIRCLE TAPER POINT

| NEEDLE<br>TYPE                                                                                   | SUTURE<br>LENGTH | COLOR  | USP        |            |                          |                          |                          |
|--------------------------------------------------------------------------------------------------|------------------|--------|------------|------------|--------------------------|--------------------------|--------------------------|
|                                                                                                  |                  |        | 3/0        | 2/0        | 0                        | 1                        | 2                        |
| <br>30mm        | 75cm<br>90cm     | violet | H0530Z1T75 | H0430Z1T75 | H0330Z1T75<br>H0330Z1T90 | H0230Z1T75<br>H0230Z1T90 |                          |
| <br>35mm        | 75cm             | violet |            | H0435Z1T75 | H0335Z1T75               |                          |                          |
| <br>37mm loop   | 150cm            | violet |            |            | H0337Z1P150              |                          |                          |
| <br>40mm        | 75cm             | violet |            | H0440Z1T75 | H0340Z1T75               | H0240Z1T75               |                          |
| <br>40mm loop  | 150cm            | violet |            |            | H0340Z1P150              | H0240Z1P150              |                          |
| <br>45mm      | 75cm<br>90cm     | violet |            |            |                          | H0245Z1T75<br>H0245Z1T90 | H0145Z1T75<br>H0145Z1T90 |
| <br>48mm loop | 150cm            | violet |            |            | H0348Z1F150              | H0248Z1F150              |                          |
| <br>50mm      | 75cm<br>90cm     | violet |            |            | H0350Z1T75<br>H0350Z1T90 | H0250Z1T75               | H0150Z1T75<br>H0150Z1T90 |

# 1/2 CIRCLE CUTTING EDGE

| NEEDLE TYPE                                                                                 | SUTURE LENGTH | COLOR  | USP                      |                          |            |                          |                          |                          |            |
|---------------------------------------------------------------------------------------------|---------------|--------|--------------------------|--------------------------|------------|--------------------------|--------------------------|--------------------------|------------|
|                                                                                             |               |        | 6/0                      | 5/0                      | 4/0        | 3/0                      | 2/0                      | 0                        | 1          |
| <br>13mm   | 45cm<br>75cm  | violet | H0813Z3T45<br>H0813Z3T75 | H0713Z3T45<br>H0713Z3T75 |            |                          |                          |                          |            |
| <br>16mm   | 75cm          | violet |                          | H0716Z3T75               | H0616Z3T75 |                          |                          |                          |            |
| <br>18mm   | 75cm          | violet |                          | H0718Z3T75               |            |                          |                          |                          |            |
| <br>26mm   | 75cm<br>90cm  | violet |                          |                          |            | H0526Z3T75<br>H0526Z3T90 | H0426Z3T75<br>H0426Z3T90 |                          |            |
| <br>30mm   | 75cm<br>90cm  | violet |                          |                          |            |                          | H0430Z3T75<br>H0430Z3T90 | H0330Z3T75<br>H0330Z3T90 |            |
| <br>35mm   | 75cm          | violet |                          |                          |            |                          | H0435Z3T75               |                          |            |
| <br>40mm | 75cm          | violet |                          |                          |            |                          |                          | H0340Z3T75               | H0240Z3T75 |

# 3/8 CIRCLE CUTTING EDGE

| NEEDLE TYPE                                                                                 | SUTURE LENGTH | COLOR  | USP        |            |                          |                          |
|---------------------------------------------------------------------------------------------|---------------|--------|------------|------------|--------------------------|--------------------------|
|                                                                                             |               |        | 5/0        | 4/0        | 3/0                      | 2/0                      |
| <br>16mm | 75cm          | violet | H0716V3T75 | H0616V3T75 | H0516V3T75               |                          |
| <br>20mm | 75cm          | violet |            | H0620V3T75 | H0520V3T75               |                          |
| <br>25mm | 75cm          | violet |            | H0625V3T75 |                          | H0425V3T75               |
| <br>26mm | 75cm<br>90cm  | violet |            |            | H0526V3T75<br>H0526V3T90 | H0426V3T75<br>H0426V3T90 |
| <br>30mm | 75cm          | violet |            |            |                          | H0430V3T75               |



## 3/8 CIRCLE TAPER POINT

| NEEDLE<br>TYPE                                                                                   | SUTURE<br>LENGTH | COLOR  | USP                      |                          |                          |                          |                          |
|--------------------------------------------------------------------------------------------------|------------------|--------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
|                                                                                                  |                  |        | 6/0                      | 5/0                      | 4/0                      | 3/0                      | 2/0                      |
| <br>13mm Double | 60cm<br>75cm     | violet | H0813V1F60<br>H0813V1F75 |                          |                          |                          |                          |
| <br>16mm        | 60cm<br>75cm     | violet |                          | H0716V1T60<br>H0716V1T75 | H0616V1T60<br>H0616V1T75 |                          |                          |
| <br>26mm        | 75cm<br>90cm     | violet |                          |                          |                          | H0526V1T75<br>H0526V1T90 | H0426V1T75<br>H0426V1T90 |





**ALCALENE®**

Minimum memory,  
smooth surface,  
excellent ease of use

## PP - Polypropylene

ALCALENE® sutures are synthetic non- absorbable sterile surgical sutures which are composed of isotactic crystalize polypropylene polymer of high molecular weight. Suture is pigmented blue to enhance visibility.

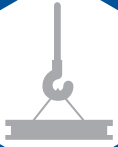
ALCALENE® sutures have been presented in USP 10/0 – USP 2 gauge sizes in a variety of lengths from 10 cm to 150 cm, as non-needed or attached to stainless steel needles of varying types and sizes.

|                                                                                   |                                                                    |
|-----------------------------------------------------------------------------------|--------------------------------------------------------------------|
|  | Non-absorbable, monofilament, blue                                 |
| <b>CHEMICAL STRUCTURE</b>                                                         | Polypropylene                                                      |
| <b>COATING</b>                                                                    | -                                                                  |
| <b>WOUND SUPPORT</b>                                                              | Loss over years                                                    |
| <b>ABSORPTION</b>                                                                 | -                                                                  |
| <b>TENSILE STRENGTH</b>                                                           | -                                                                  |
| <b>USP RANGE</b>                                                                  | 10/0 - 2                                                           |
| <b>STERILIZATION</b>                                                              | EO (Ethylene Oxide)                                                |
| <b>PACKAGING</b>                                                                  | In aluminum foil or sterile packages with needle or without needle |



### HIGH TENSILE STRENGTH

Permanent wound support



### FLEXIBILITY AND SOFTNESS

Excellent ease of use  
Easy and safety knot tying



### HIGH FATIGUE STRENGTH AGAINST MULTI-BENDING

Use in Cardiovascular Surgery  
(cardiac prothesis [artificial heart] or  
vascular anastomosis)



### SMOOTH MONOFILAMENT STRUCTURE AT THE MICROSCOPIC LEVEL

Smooth penetration through the tissue without  
tissue cutting, friction, and trauma  
Minimum wound trauma  
Excellent surface to prevent bacterial adherence

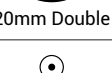


## AREAS OF USAGE

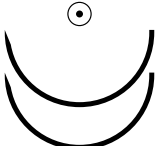
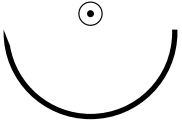
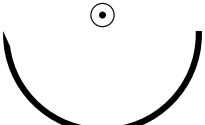
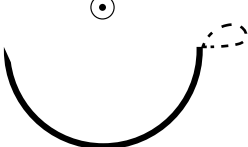
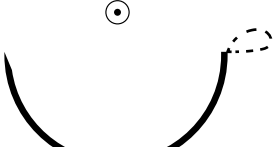
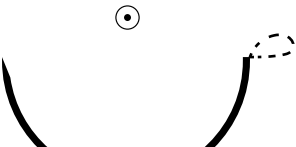
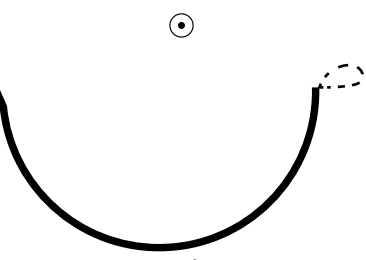
- Cardiovascular Surgery
- Ophthalmic Surgery
- Orthopedic Surgery
- Neurology
- Plastic and Reconstructive Surgery
- Skin Closures
- Microsurgery
- Gastrointestinal Surgery
- General Soft Tissue Approximation and/or Ligation
- Gynecology
- Hernia



## 1/2 CIRCLE TAPER POINT

| NEEDLE TYPE                                                                                        |                                                                                                  | SUTURE LENGTH | COLOR | USP                      |                          |                          |                          |                          |                          |            |
|----------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|---------------|-------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|------------|
|                                                                                                    |                                                                                                  |               |       | 10/0                     | 7/0                      | 6/0                      | 5/0                      | 4/0                      | 3/0                      | 2/0        |
| <br>6mm           | *<br><br>BODY   | 45cm<br>75cm  | blue  | F1206Z1T45<br>F1206Z1T75 |                          |                          |                          |                          |                          |            |
| <br>10mm Double   | *<br><br>BODY   | 45cm<br>75cm  | blue  |                          | F0910Z1F45<br>F0910Z1F75 | F0810Z1F45<br>F0810Z1F75 |                          |                          |                          |            |
| <br>13mm Double   | *<br><br>BODY   | 45cm<br>75cm  | blue  |                          |                          | F0813Z1F45<br>F0813Z1F75 | F0713Z1F45<br>F0713Z1F75 |                          |                          |            |
| <br>16mm          | *<br><br>BODY   | 45cm<br>75cm  | blue  |                          |                          | F0816Z1T45<br>F0816Z1T75 | F0716Z1T45<br>F0716Z1T75 | F0616Z1T45<br>F0616Z1T75 | F0516Z1T45<br>F0516Z1T75 |            |
| <br>16mm Double   | *<br><br>BODY   | 45cm<br>90cm  | blue  |                          |                          | F0816Z1F45<br>F0816Z1F90 | F0716Z1F45<br>F0716Z1F90 | F0616Z1F45<br>F0616Z1F90 |                          |            |
| <br>18mm        | *<br><br>BODY | 75cm          | blue  |                          |                          |                          |                          | F0618Z1T75               | F0518Z1T75               |            |
| <br>20mm        | *<br><br>BODY | 75cm          | blue  |                          |                          |                          | F0720Z1T75               | F0620Z1T75               | F0520Z1T75               | F0420Z1T75 |
| <br>20mm Double | *<br><br>BODY | 75cm          | blue  |                          |                          |                          | F0720Z1F75               | F0620Z1F75               | F0520Z1F75               |            |
| <br>22mm        | *<br><br>BODY | 75cm          | blue  |                          |                          |                          |                          |                          | F0522Z1T75               |            |
| <br>22mm Double | *<br><br>BODY | 75cm          | blue  |                          |                          |                          | F0722Z1F75               | F0622Z1F75               |                          |            |

\* Marked products can be presented as a square body for "CC" usage.  
Please add a "CC" expression at the end of the reference number for your square needle order.

| NEEDLE TYPE                                                                                      |                                                                                                       | SUTURE LENGTH | COLOR | USP                      |                          |                          |                          |                          |                          |
|--------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|---------------|-------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
|                                                                                                  |                                                                                                       |               |       | 4/0                      | 3/0                      | 2/0                      | 0                        | 1                        | 2                        |
| <br>26mm        | *<br><br>26mm Double | 75cm          | blue  | F0626Z1T75               | F0526Z1T75               | F0426Z1T75               |                          |                          |                          |
|                                                                                                  |                                                                                                       | 75cm<br>90cm  | blue  | F0626Z1F75<br>F0626Z1F90 | F0526Z1F75<br>F0526Z1F90 | F0426Z1F75<br>F0426Z1F90 |                          |                          |                          |
| <br>30mm Double |                                                                                                       | 75cm<br>90cm  | blue  |                          | F0530Z1F75<br>F0530Z1F90 | F0430Z1F75<br>F0430Z1F90 | F0330Z1F75<br>F0330Z1F90 | F0230Z1F75<br>F0230Z1F90 |                          |
| <br>35mm        |                                                                                                       | 75cm          | blue  |                          | F0535Z1T75               | F0435Z1T75               | F0335Z1T75               |                          |                          |
| <br>40mm       |                                                                                                       | 75cm<br>90cm  | blue  |                          |                          | F0440Z1T75<br>F0440Z1T90 | F0340Z1T75               | F0240Z1T75<br>F0240Z1T90 | F0140Z1T75<br>F0140Z1T90 |
| <br>40mm loop |                                                                                                       | 150cm         | blue  |                          |                          |                          | F0340Z1P150              |                          |                          |
| <br>45mm loop |                                                                                                       | 150cm         | blue  |                          |                          |                          |                          | F0245Z1P150              |                          |
| <br>50mm loop |                                                                                                       | 150cm         | blue  |                          |                          |                          | F0350Z1P150              | F0250Z1P150              |                          |
| <br>65mm loop  |                                                                                                       | 150cm         | blue  |                          |                          |                          |                          | F0265Z1P150              |                          |

## 1/2 CIRCLE CUTTING EDGE

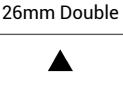
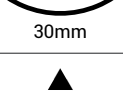
| NEEDLE TYPE                                                                               | SUTURE LENGTH | COLOR | USP        |            |            |                          |                          |                          |                          |
|-------------------------------------------------------------------------------------------|---------------|-------|------------|------------|------------|--------------------------|--------------------------|--------------------------|--------------------------|
|                                                                                           |               |       | 6/0        | 5/0        | 4/0        | 3/0                      | 2/0                      | 0                        | 1                        |
| <br>13mm | 75cm          | blue  | F0813Z3T75 | F0713Z3T75 |            |                          |                          |                          |                          |
| <br>16mm | 75cm          | blue  | F0816Z3T75 | F0716Z3T75 | F0616Z3T75 |                          |                          |                          |                          |
| <br>20mm | 75cm          | blue  |            |            |            | F0520Z3T75               | F0420Z3T75               |                          |                          |
| <br>26mm | 75cm<br>90cm  | blue  |            |            |            | F0526Z3T75<br>F0526Z3T90 | F0426Z3T75<br>F0426Z3T90 | F0326Z3T75<br>F0326Z3T90 |                          |
| <br>30mm | 75cm          | blue  |            |            |            | F0530Z3T75               | F0430Z3T75               | F0330Z3T75               |                          |
| <br>35mm | 75cm          | blue  |            |            |            |                          |                          | F0335Z3T75               | F0235Z3T75               |
| <br>40mm | 75cm<br>90cm  | blue  |            |            |            |                          | F0440Z3T75<br>F0440Z3T90 | F0340Z3T75<br>F0340Z3T90 | F0240Z3T75<br>F0240Z3T90 |

## 3/8 CIRCLE CUTTING EDGE

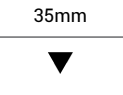
| NEEDLE TYPE                                                                                        | SUTURE LENGTH | COLOR | USP                      |                          |                          |                          |            |            |
|----------------------------------------------------------------------------------------------------|---------------|-------|--------------------------|--------------------------|--------------------------|--------------------------|------------|------------|
|                                                                                                    |               |       | 8/0                      | 7/0                      | 6/0                      | 5/0                      | 4/0        | 3/0        |
| <br>8mm         | 45cm<br>75cm  | blue  | F1008V3T45<br>F1008V3T75 |                          |                          |                          |            |            |
| <br>10mm        | 60cm<br>75cm  | blue  |                          | F0910V3T60<br>F0910V3T75 | F0810V3T60<br>F0810V3T75 |                          |            |            |
| <br>13mm        | 60cm<br>75cm  | blue  |                          |                          | F0813V3T60<br>F0813V3T75 | F0713V3T60<br>F0713V3T75 |            |            |
| <br>13mm Double | 60cm<br>75cm  | blue  |                          |                          | F0813V3F60<br>F0813V3F75 | F0713V3F60<br>F0713V3F75 |            |            |
| <br>16mm        | 75cm          | blue  |                          |                          | F0816V3T75               | F0716V3T75               | F0616V3T75 | F0516V3T75 |
| <br>18mm        | 75cm          | blue  |                          |                          |                          | F0718V3T75               | F0618V3T75 |            |



### 3/8 CIRCLE CUTTING EDGE

| NEEDLE TYPE                                                                                      | SUTURE LENGTH | COLOR | USP        |                          |                          |                          |                          |                          |
|--------------------------------------------------------------------------------------------------|---------------|-------|------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
|                                                                                                  |               |       | 5/0        | 4/0                      | 3/0                      | 2/0                      | 0                        | 1                        |
| <br>20mm        | 75cm          | blue  | F0720V3T75 | F0620V3T75               | F0520V3T75               |                          |                          |                          |
| <br>22mm        | 75cm          | blue  |            |                          | F0522V3T75               |                          |                          |                          |
| <br>26mm        | 75cm<br>90cm  | blue  |            | F0626V3T75<br>F0626V3T90 | F0526V3T75<br>F0526V3T90 | F0426V3T75<br>F0426V3T90 |                          |                          |
| <br>26mm Double | 75cm<br>90cm  | blue  |            |                          | F0526V3F75<br>F0526V3F90 | F0426V3F75<br>F0426V3F90 |                          |                          |
| <br>30mm        | 75cm<br>90cm  | blue  |            |                          | F0530V3T75<br>F0530V3T90 | F0430V3T75<br>F0430V3T90 | F0330V3T75<br>F0330V3T90 | F0230V3T75<br>F0230V3T90 |
| <br>40mm        | 75cm<br>90cm  | blue  |            |                          |                          |                          | F0340V3T75<br>F0340V3T90 | F0240V3T75<br>F0240V3T90 |

### 3/8 CIRCLE REVERSE CUTTING EDGE

| NEEDLE TYPE                                                                                 | SUTURE LENGTH | COLOR | USP                      |                          |                          |                          |                          |                          |            |
|---------------------------------------------------------------------------------------------|---------------|-------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|------------|
|                                                                                             |               |       | 6/0                      | 5/0                      | 4/0                      | 3/0                      | 2/0                      | 0                        | 1          |
| <br>16mm | 45cm<br>60cm  | blue  | F0816V4T45<br>F0816V4T60 | F0716V4T45<br>F0716V4T60 | F0616V4T45<br>F0616V4T60 | F0516V4T45<br>F0516V4T60 |                          |                          |            |
| <br>19mm | 75cm          | blue  |                          | F0719V4T75               | F0619V4T75               | F0519V4T75               |                          |                          |            |
| <br>20mm | 75cm          | blue  |                          | F0720V4T75               | F0620V4T75               | F0520V4T75               |                          |                          |            |
| <br>26mm | 75cm<br>90cm  | blue  |                          |                          |                          | F0526V4T75<br>F0526V4T90 | F0426V4T75<br>F0426V4T90 |                          |            |
| <br>30mm | 75cm<br>90cm  | blue  |                          |                          |                          | F0530V4T75<br>F0530V4T90 | F0430V4T75<br>F0430V4T90 | F0330V4T75<br>F0330V4T90 |            |
| <br>35mm | 75cm<br>90cm  | blue  |                          |                          |                          | F0535V4T75<br>F0535V4T90 | F0435V4T75<br>F0435V4T90 |                          |            |
| <br>40mm | 75cm          | blue  |                          |                          |                          |                          | F0440V4T75               | F0340V4T75               | F0240V4T75 |

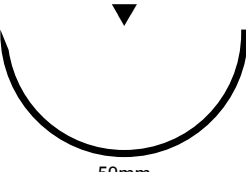
### 3/8 CIRCLE SPATULA

| NEEDLE<br>TYPE                                                                                  | SUTURE<br>LENGTH | COLOR | USP |     |            |     |
|-------------------------------------------------------------------------------------------------|------------------|-------|-----|-----|------------|-----|
|                                                                                                 |                  |       | 8/0 | 7/0 | 6/0        | 5/0 |
| <br>8mm Double | 45cm             | blue  |     |     | F0808V7F45 |     |
|                                                                                                 | 60cm             |       |     |     | F0808V7F60 |     |

### STRAIGHT CUTTING

| NEEDLE<br>TYPE                                                                            | SUTURE<br>LENGTH | COLOR | USP |            |            |
|-------------------------------------------------------------------------------------------|------------------|-------|-----|------------|------------|
|                                                                                           |                  |       | 4/0 | 3/0        | 2/0        |
| <br>60mm | 90cm             | blue  |     | F0560S3T90 | F0460S3T90 |

### 1/2 CIRCLE REVERSE CUTTING EDGE

| NEEDLE<br>TYPE                                                                              | SUTURE<br>LENGTH | COLOR | USP        |            |                          |                          |
|---------------------------------------------------------------------------------------------|------------------|-------|------------|------------|--------------------------|--------------------------|
|                                                                                             |                  |       | 2/0        | 0          | 1                        | 2                        |
| <br>30mm   | 75cm             | blue  | F0430Z4T75 | F0330Z4T75 |                          |                          |
| <br>40mm  | 75cm             | blue  |            | F0340Z4T75 | F0240Z4T75               |                          |
| <br>50mm | 75cm<br>90cm     | blue  |            |            | F0250Z4T75<br>F0250Z4T90 | F0150Z4T75<br>F0150Z4T90 |

## 3/8 CIRCLE TAPER POINT

| NEEDLE<br>TYPE                                                                                   | SUTURE<br>LENGTH | COLOR | USP                      |                          |                          |                          |            |
|--------------------------------------------------------------------------------------------------|------------------|-------|--------------------------|--------------------------|--------------------------|--------------------------|------------|
|                                                                                                  |                  |       | 8/0                      | 7/0                      | 6/0                      | 5/0                      | 4/0        |
| <br>6mm Double  | 45cm<br>60cm     | blue  | F1006V1F45<br>F1006V1F60 | F0906V1F45<br>F0906V1F60 |                          |                          |            |
| <br>8mm Double  | 45cm<br>60cm     | blue  | F1008V1F45<br>F1008V1F60 | F0908V1F45<br>F0908V1F60 | F0808V1F45<br>F0808V1F60 |                          |            |
| <br>9mm         | 45cm<br>60cm     | blue  |                          | F0909V1T45<br>F0909V1T60 |                          |                          |            |
| <br>10mm        | 60cm<br>75cm     | blue  |                          | F0910V1T60<br>F0910V1T75 | F0810V1T60<br>F0810V1T75 |                          |            |
| <br>13mm        | 60cm<br>75cm     | blue  |                          |                          | F0813V1T60<br>F0813V1T75 | F0713V1T60<br>F0713V1T75 |            |
| <br>13mm Double | 60cm<br>75cm     | blue  |                          | F0913V1F60<br>F0913V1F75 | F0813V1F60<br>F0813V1F75 |                          |            |
| <br>16mm        | 75cm             | blue  |                          |                          |                          | F0716V1T75               | F0616V1T75 |





**ALCAMIDE®**

Optimum flexibility,  
esthetic result and confidence

## PA - Polyamide

ALCAMIDE® sutures are synthetic non-absorbable sterile surgical sutures which are composed of the chain aliphatic polymers Polyamide 6 or 6,6. ALCAMIDE® suture is pigmented blue or black to enhance visibility.

ALCAMIDE® sutures has been presented in USP 11/0 – USP 1 gauge sizes in a variety of lengths from 10 cm to 150 cm, as non-needled or attached to stainless steel needles of varying types and sizes.

ALCAMIDE®

|                                                                                   |                                                                    |
|-----------------------------------------------------------------------------------|--------------------------------------------------------------------|
|  | Non-absorbable, monofilament, blue - black                         |
| <b>CHEMICAL STRUCTURE</b>                                                         | Polyamide                                                          |
| <b>COATING</b>                                                                    | -                                                                  |
| <b>WOUND SUPPORT</b>                                                              | Loss over years                                                    |
| <b>ABSORPTION</b>                                                                 | -                                                                  |
| <b>TENSILE STRENGTH</b>                                                           | -                                                                  |
| <b>USP RANGE</b>                                                                  | 11/0 - 1                                                           |
| <b>STERILIZATION</b>                                                              | EO (Ethylene Oxide)                                                |
| <b>PACKAGING</b>                                                                  | In aluminum foil or sterile packages with needle or without needle |





### HIGH TENSILE STRENGTH, NON-ABSORBABLE STRUCTURE

Permanent wound support

### FLEXIBILITY AND SOFTNESS

Excellent ease of use  
Easy and safety knot tying

### SMOOTH MONOFILAMENT STRUCTURE AT THE MICROSCOPIC LEVEL

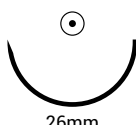
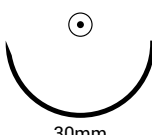
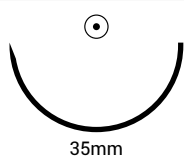
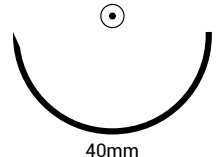
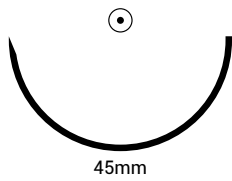
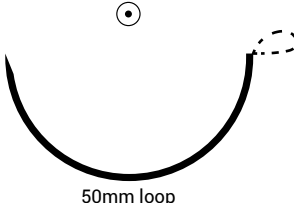
Smooth penetration through the tissue  
without tissue cutting, friction, and trauma  
Minimum wound trauma  
Excellent surface to prevent bacterial  
adherence

## AREAS OF USAGE

- Plastic and Reconstructive Surgery
- General Soft Tissue Approximation and/or Ligation
- Cardiovascular Surgery
- Ophthalmic Surgery
- Neurology
- Microsurgery
- Intracutaneous and Subcutaneous Skin Closures
- Ligations
- General Surgery
- Gastrointestinal Surgery
- Gynecology
- Orthopedic Surgery



## 1/2 CIRCLE TAPER POINT

| NEEDLE TYPE                                                                                      | SUTURE LENGTH | COLOR | USP        |                          |                          |                          |
|--------------------------------------------------------------------------------------------------|---------------|-------|------------|--------------------------|--------------------------|--------------------------|
|                                                                                                  |               |       | 3/0        | 2/0                      | 0                        | 1                        |
| <br>26mm        | 75cm<br>90cm  | black | K0526Z1T75 | K0426Z1T75<br>K0426Z1T90 |                          |                          |
| <br>30mm        | 75cm          | black |            | K0430Z1T75               | K0330Z1T75               | K0230Z1T75               |
| <br>35mm        | 75cm          | black |            |                          | K0335Z1T75               | K0235Z1T75               |
| <br>40mm        | 75cm          | black |            | K0440Z1T75               | K0340Z1T75               | K0240Z1T75               |
| <br>45mm      | 75cm<br>90cm  | black |            |                          | K0345Z1T75<br>K0345Z1T90 | K0245Z1T75<br>K0245Z1T90 |
| <br>50mm loop | 150cm         | black |            |                          | K0350Z1P150              | K0250Z1P150              |

## 1/2 CIRCLE REVERSE CUTTING EDGE

| NEEDLE TYPE                                                                                 | SUTURE LENGTH | COLOR | USP |                          |                          |
|---------------------------------------------------------------------------------------------|---------------|-------|-----|--------------------------|--------------------------|
|                                                                                             |               |       | 2/0 | 0                        | 1                        |
| <br>40mm | 75cm<br>90cm  | black |     | K0340Z4T75<br>K0340Z4T90 | K0240Z4T75<br>K0240Z4T90 |

## 1/4 CIRCLE SPATULA

| NEEDLE TYPE                                                                                       | SUTURE LENGTH | COLOR | USP |            |            |
|---------------------------------------------------------------------------------------------------|---------------|-------|-----|------------|------------|
|                                                                                                   |               |       | 8/0 | 7/0        | 6/0        |
| <br>8mm Double | 45cm          | black |     | K0908R7F45 | K0808R7F45 |



### 3/8 CIRCLE TAPER POINT

| NEEDLE TYPE                                                                               | SUTURE LENGTH | COLOR | USP                      |     |                          |
|-------------------------------------------------------------------------------------------|---------------|-------|--------------------------|-----|--------------------------|
|                                                                                           |               |       | 10/0                     | 9/0 | 8/0                      |
| <br>6mm  | 45cm<br>60cm  | black | K1206V1T45<br>K1206V1T60 |     | K1006V1T45<br>K1006V1T60 |
| <br>13mm | 75cm          | black |                          |     | K1013V1T75               |

### 3/8 CIRCLE CUTTING EDGE

| NEEDLE TYPE                                                                                 | SUTURE LENGTH | COLOR | USP                      |            |            |            |
|---------------------------------------------------------------------------------------------|---------------|-------|--------------------------|------------|------------|------------|
|                                                                                             |               |       | 6/0                      | 5/0        | 4/0        | 3/0        |
| <br>10mm   | 45cm          | black | K0810V3T45               |            |            |            |
| <br>13mm   | 60cm          | black | K0813V3T60               |            |            |            |
| <br>16mm   | 45cm<br>60cm  | black | K0816V3T45<br>K0816V3T60 | K0716V3T45 |            |            |
| <br>20mm  | 75cm          | black |                          |            | K0620V3T75 | K0520V3T75 |
| <br>25mm | 75cm          | black |                          |            | K0625V3T75 | K0525V3T75 |

### 3/8 CIRCLE CUTTING EDGE

| NEEDLE TYPE                                                                                 | SUTURE LENGTH | COLOR | USP        |            |            |            |
|---------------------------------------------------------------------------------------------|---------------|-------|------------|------------|------------|------------|
|                                                                                             |               |       | 2/0        | 0          | 1          | 2          |
| <br>30mm | 75cm          | black | K0430V3T75 | K0330V3T75 |            |            |
| <br>40mm | 75cm          | black | K0440V3T75 | K0340V3T75 | K0240V3T75 | K0140V3T75 |

### 3/8 CIRCLE REVERSE CUTTING EDGE

| NEEDLE TYPE                                                                               | SUTURE LENGTH | COLOR | USP        |            |            |                          |                          |
|-------------------------------------------------------------------------------------------|---------------|-------|------------|------------|------------|--------------------------|--------------------------|
|                                                                                           |               |       | 6/0        | 5/0        | 4/0        | 3/0                      | 2/0                      |
| <br>13mm | 75cm          | black | K0813V4T75 | K0713V4T75 |            |                          |                          |
| <br>16mm | 75cm          | black | K0816V4T75 | K0716V4T75 | K0616V4T75 | K0516V4T75               |                          |
| <br>20mm | 75cm          | black |            |            | K0620V4T75 | K0520V4T75               |                          |
| <br>26mm | 75cm<br>90cm  | black |            |            |            | K0526V4T75<br>K0526V4T90 | K0426V4T75<br>K0426V4T90 |
| <br>30mm | 75cm<br>90cm  | black |            |            |            | K0530V4T75<br>K0530V4T90 | K0430V4T75<br>K0430V4T90 |

### 3/8 CIRCLE REVERSE CUTTING EDGE

| NEEDLE TYPE                                                                                 | SUTURE LENGTH | COLOR | USP |            |            |            |            |
|---------------------------------------------------------------------------------------------|---------------|-------|-----|------------|------------|------------|------------|
|                                                                                             |               |       | 3/0 | 2/0        | 0          | 1          | 2          |
| <br>40mm | 75cm          | black |     | K0440V4T75 | K0340V4T75 | K0240V4T75 |            |
| <br>50mm | 75cm<br>90cm  | black |     |            |            | K0250V4T75 | K0150V4T75 |

### 3/8 CIRCLE SPATULA

| NEEDLE TYPE                                                                                       | SUTURE LENGTH | COLOR | USP                      |                          |            |                          |
|---------------------------------------------------------------------------------------------------|---------------|-------|--------------------------|--------------------------|------------|--------------------------|
|                                                                                                   |               |       | 10/0                     | 9/0                      | 8/0        | 6/0                      |
| <br>6mm Double | 30cm<br>45cm  | black | K1206V7F30<br>K1206V7F45 | K1106V7F30<br>K1106V7F45 | K1006V7F30 |                          |
| <br>8mm Double | 30cm<br>45cm  | black |                          |                          |            | K0808V7F30<br>K0808V7F45 |

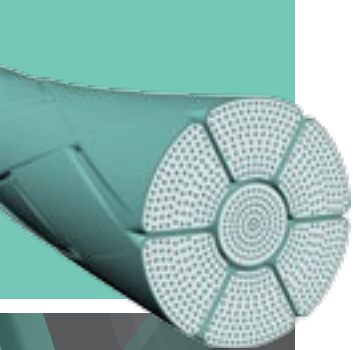
### STRAIGHT CUTTING

| NEEDLE TYPE                                                                                 | SUTURE LENGTH | COLOR | USP |                          |                          |
|---------------------------------------------------------------------------------------------|---------------|-------|-----|--------------------------|--------------------------|
|                                                                                             |               |       | 4/0 | 3/0                      | 2/0                      |
| <br>60mm | 75cm<br>90cm  | black |     | K0560S3T75<br>K0560S3T90 | K0460S3T75<br>K0460S3T90 |



**ALCASILK®**

Natural solution in  
tissue approximation



## SILK

ALCASILK® sutures are non-absorbable sterile surgical sutures which are produced of an organic protein called fibroin. This organic protein is derived from the domesticated species *Bombyx mori* of the family *Bombyciade*. Braided ALCASILK® sutures are processed to remove the natural oil and viscous. ALCASILK® sutures are dyed black and coated silicone or paraffin wax.

ALCASILK® sutures have been presented in USP 8/0 – USP 2 gauge sizes in a variety of lengths from 10 cm to 150 cm , as non-needed or attached to stainless steel needles of varying types and sizes.

ALCASILK®



Non-absorbable, multifilament, black

### CHEMICAL STRUCTURE

Silk

### COATING

Wax / Silicon

### WOUND SUPPORT

Loss over years

### ABSORPTION

-

### TENSILE STRENGTH

-

### USP RANGE

8/0 - 2

### STERILIZATION

EO (Ethylene Oxide)

### PACKAGING

In aluminum foil or sterile packages with needle or without needle





### HIGH TENSILE STRENGTH, NON-ABSORBABLE STRUCTURE

Excellent and permanent wound support  
up to three months

### COATED MULTIFILAMENT

Smooth penetration through the tissue  
without tissue cutting, friction,  
and trauma  
Minimum wound trauma  
Lower capillarity

### BRAIDED STRUCTURE

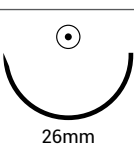
Minimum suture memory  
High usage characteristic  
Flexibility  
High tensile strength  
Excellent knot safety

## AREAS OF USAGE

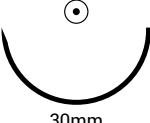
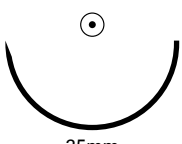
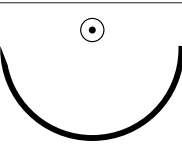
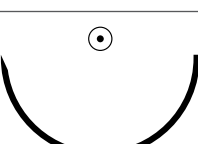
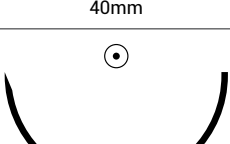
- Oral Surgery
- General Soft Tissue Approximation and/or Ligation
- Cardiovascular Surgery
- Ligations
- Ophthalmic Surgery
- General Surgery
- Gastrointestinal Surgery
- Gynecology
- Neurology



## 1/2 CIRCLE TAPER POINT

| NEEDLE<br>TYPE                                                                            | SUTURE<br>LENGTH | COLOR | USP                      |                          |            |            |                          |                          |
|-------------------------------------------------------------------------------------------|------------------|-------|--------------------------|--------------------------|------------|------------|--------------------------|--------------------------|
|                                                                                           |                  |       | 6/0                      | 5/0                      | 4/0        | 3/0        | 2/0                      | 0                        |
| <br>16mm | 45cm<br>75cm     | black | E0816Z1T45<br>E0816Z1T75 | E0716Z1T45<br>E0716Z1T75 | E0616Z1T75 | E0516Z1T75 |                          |                          |
| <br>18mm | 75cm             | black |                          | E0718Z1T75               | E0618Z1T75 | E0518Z1T75 |                          |                          |
| <br>20mm | 75cm             | black |                          | E0720Z1T75               | E0620Z1T75 | E0520Z1T75 | E0420Z1T75               |                          |
| <br>26mm | 75cm<br>90cm     | black |                          |                          | E0626Z1T75 | E0526Z1T75 | E0426Z1T75<br>E0426Z1T90 | E0326Z1T75<br>E0326Z1T90 |

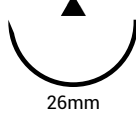
## 1/2 CIRCLE TAPER POINT

| NEEDLE<br>TYPE                                                                              | SUTURE<br>LENGTH | COLOR | USP        |            |            |                          |
|---------------------------------------------------------------------------------------------|------------------|-------|------------|------------|------------|--------------------------|
|                                                                                             |                  |       | 2/0        | 0          | 1          | 2                        |
| <br>30mm | 75cm             | black | E0430Z1T75 | E0330Z1T75 | E0230Z1T75 |                          |
| <br>35mm | 75cm             | black | E0435Z1T75 | E0335Z1T75 | E0235Z1T75 |                          |
| <br>37mm | 75cm             | black |            | E0337Z1T75 | E0237Z1T75 |                          |
| <br>40mm | 75cm             | black | E0440Z1T75 | E0340Z1T75 | E0240Z1T75 | E0140Z1T75               |
| <br>45mm | 75cm<br>90cm     | black |            |            |            | E0145Z1T75<br>E0145Z1T90 |

## 1/4 CIRCLE SPATULA

| NEEDLE<br>TYPE                                                                                  | SUTURE<br>LENGTH | COLOR  | USP |     |            |            |
|-------------------------------------------------------------------------------------------------|------------------|--------|-----|-----|------------|------------|
|                                                                                                 |                  |        | 8/0 | 7/0 | 6/0        | 5/0        |
| <br>8mm Double | 45cm             | violet |     |     | E0808R7F45 | E0708R7F45 |

## 1/2 CIRCLE CUTTING EDGE

| NEEDLE<br>TYPE                                                                              | SUTURE<br>LENGTH | COLOR | USP        |                          |                          |            |
|---------------------------------------------------------------------------------------------|------------------|-------|------------|--------------------------|--------------------------|------------|
|                                                                                             |                  |       | 4/0        | 3/0                      | 2/0                      | 0          |
| <br>20mm   | 75cm             | black | E0620Z3T75 |                          |                          |            |
| <br>22mm   | 75cm             | black | E0622Z3T75 | E0522Z3T75               | E0422Z3T75               |            |
| <br>26mm   | 75cm<br>90cm     | black |            | E0526Z3T75<br>E0526Z3T90 | E0426Z3T75<br>E0426Z3T90 |            |
| <br>30mm  | 75cm             | black |            |                          | E0430Z3T75               | E0330Z3T75 |
| <br>36mm | 75cm             | black |            |                          | E0436Z3T75               | E0336Z3T75 |

## 1/2 CIRCLE REVERSE CUTTING EDGE

| NEEDLE<br>TYPE                                                                              | SUTURE<br>LENGTH | COLOR | USP        |            |            |
|---------------------------------------------------------------------------------------------|------------------|-------|------------|------------|------------|
|                                                                                             |                  |       | 4/0        | 3/0        | 2/0        |
| <br>30mm | 75cm             | black | E0630Z4T75 | E0530Z4T75 | E0430Z4T75 |
| <br>37mm | 75cm<br>90cm     | black |            | E0537Z4T75 | E0437Z4T75 |
| <br>40mm | 75cm<br>90cm     | black |            |            | E0440Z4T75 |

### 3/8 CIRCLE TAPER POINT

| NEEDLE TYPE                                                                               | SUTURE LENGTH | COLOR | USP        |                          |            |
|-------------------------------------------------------------------------------------------|---------------|-------|------------|--------------------------|------------|
|                                                                                           |               |       | 8/0        | 7/0                      | 6/0        |
| <br>10mm | 45cm<br>60cm  | black |            | E0910V1T45<br>E0910V1T60 |            |
| <br>13mm | 75cm          | black | E1013V1T75 | E0913V1T75               | E0813V1T75 |

### 3/8 CIRCLE CUTTING EDGE

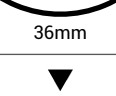
| NEEDLE TYPE                                                                                 | SUTURE LENGTH | COLOR | USP        |            |            |            |            |            |            |
|---------------------------------------------------------------------------------------------|---------------|-------|------------|------------|------------|------------|------------|------------|------------|
|                                                                                             |               |       | 8/0        | 7/0        | 6/0        | 5/0        | 4/0        | 3/0        | 2/0        |
| <br>10mm   | 45cm          | black | E1010V3T45 |            |            |            |            |            |            |
| <br>13mm   | 60cm          | black | E1013V3T60 | E0913V3T60 | E0813V3T60 |            |            |            |            |
| <br>16mm   | 45cm          | black |            |            | E0816V3T45 | E0716V3T45 | E0616V3T45 |            |            |
| <br>20mm | 75cm          | black |            |            |            | E0720V3T75 | E0620V3T75 | E0520V3T75 | E0420V3T75 |
| <br>24mm | 75cm          | black |            |            |            |            |            | E0524V3T75 | E0424V3T75 |

### 3/8 CIRCLE CUTTING EDGE

| NEEDLE TYPE                                                                                 | SUTURE LENGTH | COLOR | USP        |            |            |            |            |
|---------------------------------------------------------------------------------------------|---------------|-------|------------|------------|------------|------------|------------|
|                                                                                             |               |       | 4/0        | 3/0        | 2/0        | 0          | 1          |
| <br>25mm | 75cm          | black | E0625V3T75 | E0525V3T75 | E0425V3T75 |            |            |
| <br>30mm | 75cm          | black |            | E0530V3T75 | E0430V3T75 | E0330V3T75 |            |
| <br>35mm | 75cm          | black |            |            |            |            | E0235V3T75 |
| <br>40mm | 75cm          | black |            |            |            | E0340V3T75 | E0240V3T75 |



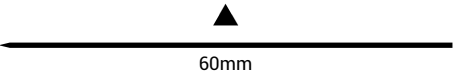
### 3/8 CIRCLE REVERSE CUTTING EDGE

| NEEDLE TYPE                                                                                 | SUTURE LENGTH | COLOR  | USP        |            |            |            |            |            |
|---------------------------------------------------------------------------------------------|---------------|--------|------------|------------|------------|------------|------------|------------|
|                                                                                             |               |        | 5/0        | 4/0        | 3/0        | 2/0        | 0          | 1          |
| <br>18mm   | 75cm          | violet |            |            | E0518V4T75 |            |            |            |
| <br>20mm   | 75cm          | violet | E0720V4T75 | E0620V4T75 | E0520V4T75 | E0420V4T75 |            |            |
| <br>22mm   | 75cm          | violet |            |            | E0522V4T75 |            |            |            |
| <br>24mm   | 75cm          | violet |            |            | E0524V4T75 | E0424V4T75 |            |            |
| <br>26mm   | 75cm<br>90cm  | violet |            | E0626V4T75 | E0526V4T75 | E0426V4T75 | E0326V4T75 |            |
| <br>30mm   | 75cm          | violet |            |            | E0530V4T75 | E0430V4T75 | E0330V4T75 |            |
| <br>36mm  | 75cm          | violet |            |            | E0536V4T75 | E0436V4T75 |            |            |
| <br>40mm | 75cm          | violet |            |            |            |            | E0340V4T75 | E0240V4T75 |

### 3/8 CIRCLE SPATULA

| NEEDLE TYPE                                                                                       | SUTURE LENGTH | COLOR  | USP                      |     |     |     |
|---------------------------------------------------------------------------------------------------|---------------|--------|--------------------------|-----|-----|-----|
|                                                                                                   |               |        | 8/0                      | 7/0 | 6/0 | 5/0 |
| <br>6mm Double | 30cm<br>45cm  | violet | E1006V7F30<br>E1006V7F45 |     |     |     |

### STRAIGHT CUTTING

| NEEDLE TYPE                                                                                 | SUTURE LENGTH | COLOR  | USP |                          |                          |
|---------------------------------------------------------------------------------------------|---------------|--------|-----|--------------------------|--------------------------|
|                                                                                             |               |        | 4/0 | 3/0                      | 2/0                      |
| <br>60mm | 75cm<br>90cm  | violet |     | E0560S3T75<br>E0560S3T90 | E0460S3T75<br>E0460S3T90 |
| <br>50mm | 75cm<br>90cm  | violet |     | E0550S3T75<br>E0550S3T90 | E0450S3T75<br>E0450S3T90 |

# SUTURES WITHOUT NEEDLE

| USP | 150cm    | 250cm    | 2x70cm   | 5x70cm   | 6x45cm   | 12x45cm  | 10x50cm  | 17x45cm  |
|-----|----------|----------|----------|----------|----------|----------|----------|----------|
| 5/0 | E07x1501 | E07X2501 | E07X7002 | E07X7005 | E07X4506 | E07X4512 | E07X5010 | E07X4517 |
| 4/0 | E06X1501 | E06X2501 | E06X7002 | E06X7005 | E06X4506 | E06X4512 | E06X5010 | E06X4517 |
| 3/0 | E05X1501 | E05X2501 | E05X7002 | E05X7005 | E05X4506 | E05X4512 | E05X5010 | E05X4517 |
| 2/0 | E04X1501 | E04X2501 | E04X7002 | E04X7005 | E04X4506 | E04X4512 |          |          |
| 0   | E03X1501 | E03X2501 | E03X7002 | E03X7005 | E03X4506 |          |          |          |
| 1   | E02X1501 | E02X2501 | E02X7002 | E02X7005 | E02X4506 |          |          |          |



**ALCASORB**® PLUS

Reliable antibacterial effect  
with chlorhexidine

## Antibacterial PGA - Polyglycolic Acid

ALCASORB® PLUS sutures are synthetic absorbable sterile surgical sutures which are made of Polyglycolic Acid. The braid structure of the suture is coated. Coated suture is prepared by Calcium Stearate and Polycaprolactone structure. ALCASORB® PLUS sutures contain "Chlorhexidine diacetate" a broad-spectrum antibacterial agent.

ALCASORB® PLUS



Absorbable, multifilament, coated, violet

### CHEMICAL STRUCTURE

100% Polyglycolic Acid synthetic, absorbable, braided surgical suture containing chlorhexidine as antibacterial agent

### COATING

Polycaprolactone and Calcium Stearate

### WOUND SUPPORT

~ 30 days

### ABSORPTION

~ 60-90 days

### TENSILE STRENGTH

2<sup>nd</sup> week ~ 75%  
3<sup>rd</sup> week ~ 50% wound support

### USP RANGE

5/0 - 3

### STERILIZATION

EO (Ethylene Oxide)

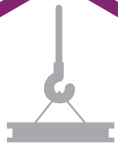
### PACKAGING

In aluminium foil packages, with needle or without needle



## HIGH TENSILE STRENGTH

Excellent wound support



## BRAIDED STRUCTURE

Minimum suture memory  
High usage characteristic  
Flexibility  
Excellent tensile strength  
Excellent knot safety



## ANTIBACTERIAL EFFICACY

Provides superior protection against bacterial colonization.  
Creates a zone of inhibition against the pathogens that cause surgical site infections.



## COATED MULTIFILAMENT

Minimum tissue trauma  
Minimum capillarity  
Ease of knot tying and adjustability



## ALCASORB®PLUS

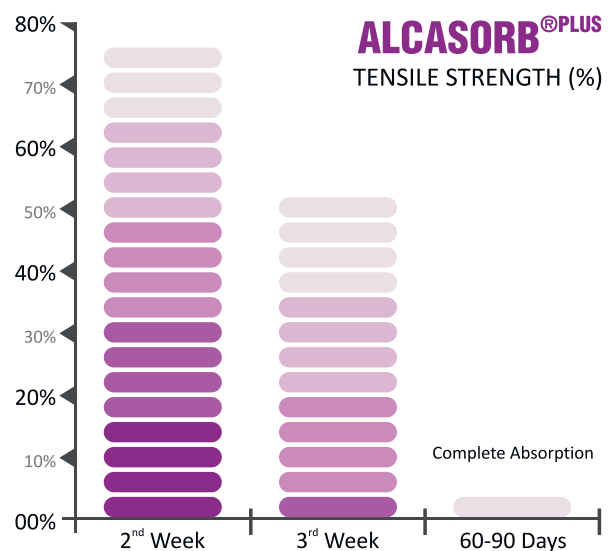
contains "Chlorhexidine" as an antibacterial agent.

**Chlorhexidine** antibacterial agent is a proven chemical that has a superior effect on the following bacteria:

- *Staphylococcus aureus*,
- *Staphylococcus epidermidis*,
- *MRSA (Methicillin resistant Staphylococcus aureus)*
- *MRSE (Methicillin resistant Staphylococcus epidermidis)*
- *Escherichia coli*
- *Klebsiella pneumoniae*

## AREAS OF USAGE

- General Surgery
- Gynecology
- Ophthalmic Surgery
- Orthopedic Surgery
- Urology
- Gastrointestinal Surgery
- Ligations
- Oral Surgery
- Veterinary Surgery
- Plastic Surgery
- Wound Closures in Pediatric Surgery
- Skin Closures





## 3/8 CIRCLE SPATULA

| NEEDLE TYPE                                                                                     | SUTURE LENGTH | COLOR  | USP         |     |     |     |
|-------------------------------------------------------------------------------------------------|---------------|--------|-------------|-----|-----|-----|
|                                                                                                 |               |        | 8/0         | 7/0 | 6/0 | 5/0 |
| <br>6mm Double | 45cm          | violet | A+1006V7F45 |     |     |     |

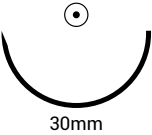
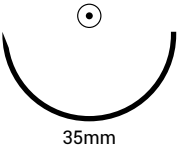
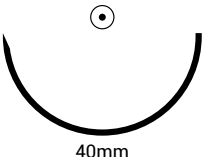
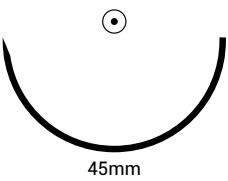
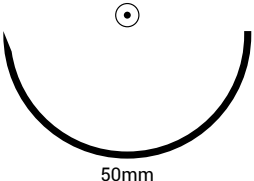
## 1/4 CIRCLE SPATULA

| NEEDLE TYPE                                                                                     | SUTURE LENGTH | COLOR  | USP |             |             |     |
|-------------------------------------------------------------------------------------------------|---------------|--------|-----|-------------|-------------|-----|
|                                                                                                 |               |        | 8/0 | 7/0         | 6/0         | 5/0 |
| <br>8mm Double | 45cm          | violet |     | A+0908R7F45 | A+0808R7F45 |     |

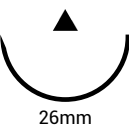
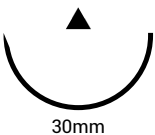
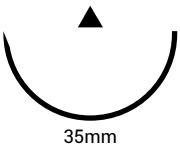
## 1/2 CIRCLE TAPER POINT

| NEEDLE TYPE                                                                                 | SUTURE LENGTH | COLOR  | USP                        |             |                            |                            |                            |             |
|---------------------------------------------------------------------------------------------|---------------|--------|----------------------------|-------------|----------------------------|----------------------------|----------------------------|-------------|
|                                                                                             |               |        | 6/0                        | 5/0         | 4/0                        | 3/0                        | 2/0                        | 0           |
| <br>13mm   | 45cm<br>60cm  | violet | A+0813Z1T45<br>A+0813Z1T60 | A+0713Z1T60 | A+0613Z1T60                |                            |                            |             |
| <br>16mm | 75cm          | violet |                            | A+0716Z1T75 | A+0616Z1T75                | A+0516Z1T75                |                            |             |
| <br>17mm | 75cm          | violet |                            | A+0717Z1T75 | A+0617Z1T75                |                            |                            |             |
| <br>20mm | 75cm          | violet |                            |             | A+0620Z1T75                | A+0520Z1T75                |                            |             |
| <br>26mm | 75cm<br>90cm  | violet |                            |             | A+0626Z1T75<br>A+0626Z1T90 | A+0526Z1T75<br>A+0526Z1T90 | A+0426Z1T75<br>A+0426Z1T90 | A+0326Z1T90 |

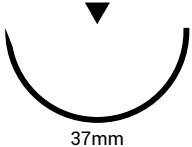
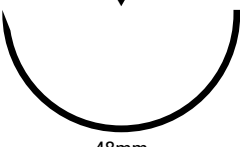
## 1/2 CIRCLE TAPER POINT

| NEEDLE TYPE                                                                                | SUTURE LENGTH | COLOR  | USP         |                            |                            |                            |                            |
|--------------------------------------------------------------------------------------------|---------------|--------|-------------|----------------------------|----------------------------|----------------------------|----------------------------|
|                                                                                            |               |        | 3/0         | 2/0                        | 0                          | 1                          | 2                          |
| <br>30mm  | 75cm<br>90cm  | violet | A+0530Z1T75 | A+0430Z1T75<br>A+0430Z1T90 | A+0330Z1T75<br>A+0330Z1T90 | A+0230Z1T75<br>A+0230Z1T90 |                            |
| <br>35mm  | 75cm          | violet |             | A+0435Z1T75                | A+0335Z1T75                | A+0235Z1T75                |                            |
| <br>40mm  | 75cm<br>90cm  | violet |             | A+0440Z1T75                | A+0340Z1T75<br>A+0340Z1T90 | A+0240Z1T75<br>A+0240Z1T90 | A+0140Z1T75<br>A+0140Z1T90 |
| <br>45mm  | 75cm<br>90cm  | violet |             |                            |                            | A+0245Z1T75                | A+0145Z1T75<br>A+0145Z1T90 |
| <br>50mm | 75cm<br>90cm  | violet |             |                            |                            | A+0250Z1T90                | A+0150Z1T75<br>A+0150Z1T90 |

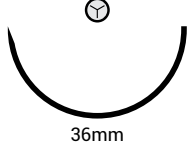
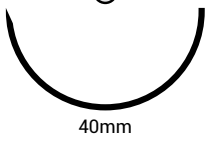
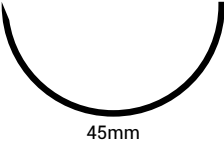
## 1/2 CIRCLE CUTTING EDGE

| NEEDLE TYPE                                                                                 | SUTURE LENGTH | COLOR  | USP         |             |             |                            |                            |                            |                            |
|---------------------------------------------------------------------------------------------|---------------|--------|-------------|-------------|-------------|----------------------------|----------------------------|----------------------------|----------------------------|
|                                                                                             |               |        | 5/0         | 4/0         | 3/0         | 2/0                        | 0                          | 1                          | 2                          |
| <br>20mm | 75cm          | violet | A+0720Z3T75 | A+0620Z3T75 |             |                            |                            |                            |                            |
| <br>26mm | 75cm<br>90cm  | violet |             |             | A+0526Z3T75 | A+0426Z3T75<br>A+0426Z3T90 | A+0326Z3T75<br>A+0326Z3T90 |                            |                            |
| <br>30mm | 75cm<br>90cm  | violet |             |             |             | A+0430Z3T75<br>A+0430Z3T90 | A+0330Z3T75<br>A+0330Z3T90 |                            |                            |
| <br>35mm | 75cm          | violet |             |             |             |                            | A+0335Z3T75                | A+0235Z3T75                |                            |
| <br>40mm | 75cm<br>90cm  | violet |             |             |             |                            |                            | A+0240Z3T75<br>A+0240Z3T90 | A+0140Z3T75<br>A+0140Z3T90 |

## 1/2 CIRCLE REVERSE CUTTING EDGE

| NEEDLE TYPE                                                                               | SUTURE LENGTH | COLOR  | USP         |             |                            |                            |                            |
|-------------------------------------------------------------------------------------------|---------------|--------|-------------|-------------|----------------------------|----------------------------|----------------------------|
|                                                                                           |               |        | 4/0         | 2/0         | 0                          | 1                          | 2                          |
| <br>20mm | 75cm          | violet | A+0620Z4T75 |             |                            |                            |                            |
| <br>30mm | 75cm          | violet |             | A+0430Z4T75 | A+0330Z4T75                |                            |                            |
| <br>37mm | 75cm<br>90cm  | violet |             | A+0437Z4T75 | A+0337Z4T75<br>A+0337Z4T90 | A+0237Z4T75<br>A+0237Z4T90 |                            |
| <br>48mm | 75cm<br>90cm  | violet |             |             | A+0348Z4T75<br>A+0348Z4T90 | A+0248Z4T75<br>A+0248Z4T90 | A+0148Z4T75<br>A+0148Z4T90 |

## 1/2 CIRCLE TAPER CUT

| NEEDLE TYPE                                                                                 | SUTURE LENGTH | COLOR  | USP                        |                            |                            |                            |             |
|---------------------------------------------------------------------------------------------|---------------|--------|----------------------------|----------------------------|----------------------------|----------------------------|-------------|
|                                                                                             |               |        | 3/0                        | 2/0                        | 0                          | 1                          | 2           |
| <br>36mm | 75cm<br>90cm  | violet | A+0536Z5T75<br>A+0536Z5T90 | A+0436Z5T75<br>A+0436Z5T90 | A+0336Z5T75<br>A+0336Z5T90 | A+0236Z5T75                |             |
| <br>40mm | 75cm<br>90cm  | violet |                            | A+0440Z5T75                | A+0340Z5T75<br>A+0340Z5T90 | A+0240Z5T75<br>A+0240Z5T90 |             |
| <br>45mm | 75cm<br>90cm  | violet |                            |                            | A+0345Z5T75<br>A+0345Z5T90 | A+0245Z5T75<br>A+0245Z5T90 | A+0145Z5T90 |

## 3/8 CIRCLE TAPER POINT

| NEEDLE TYPE                                                                                 | SUTURE LENGTH | COLOR  | USP                        |             |                            |                            |
|---------------------------------------------------------------------------------------------|---------------|--------|----------------------------|-------------|----------------------------|----------------------------|
|                                                                                             |               |        | 6/0                        | 5/0         | 3/0                        | 2/0                        |
| <br>13mm | 60cm<br>75cm  | violet | A+0813V1T60<br>A+0813V1T75 | A+0713V1T60 |                            |                            |
| <br>16mm | 75cm          | violet | A+0816V1T75                | A+0716V1T75 |                            |                            |
| <br>26mm | 75cm<br>90cm  | violet |                            |             | A+0526V1T75<br>A+0526V1T90 | A+0426V1T75<br>A+0426V1T90 |



### 3/8 CIRCLE CUTTING EDGE

| NEEDLE TYPE                                                                                       | SUTURE LENGTH | COLOR  | USP         |                            |             |                            |                            |                            |
|---------------------------------------------------------------------------------------------------|---------------|--------|-------------|----------------------------|-------------|----------------------------|----------------------------|----------------------------|
|                                                                                                   |               |        | 6/0         | 5/0                        | 4/0         | 3/0                        | 2/0                        | 0                          |
| <br>10mm         | 45cm          | violet | A+0810V3T45 |                            |             |                            |                            |                            |
| <br>10 mm double | 60cm          | violet | A+0810V3F60 |                            |             |                            |                            |                            |
| <br>16mm         | 45cm<br>75cm  | violet |             | A+0716V3T45<br>A+0716V3T75 |             |                            |                            |                            |
| <br>20mm         | 75cm          | violet |             |                            | A+0620V3T75 | A+0520V3T75                |                            |                            |
| <br>24mm         | 75cm          | violet |             |                            |             | A+0524V3T75                |                            |                            |
| <br>26mm         | 75cm<br>90cm  | violet |             |                            | A+0626V3T75 | A+0526V3T75<br>A+0526V3T90 | A+0426V3T75<br>A+0426V3T90 |                            |
| <br>30mm        | 75cm<br>90cm  | violet |             |                            |             | A+0530V3T75                | A+0430V3T75<br>A+0430V3T90 | A+0330V3T75<br>A+0330V3T90 |
| <br>35mm       | 75cm<br>90cm  | violet |             |                            |             | A+0535V3T75                | A+0435V3T75<br>A+0435V3T90 |                            |

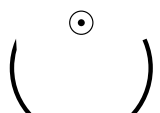
### 3/8 CIRCLE REVERSE CUTTING EDGE

| NEEDLE TYPE                                                                                        | SUTURE LENGTH | COLOR  | USP                        |                            |             |             |             |
|----------------------------------------------------------------------------------------------------|---------------|--------|----------------------------|----------------------------|-------------|-------------|-------------|
|                                                                                                    |               |        | 6/0                        | 5/0                        | 4/0         | 3/0         | 2/0         |
| <br>13mm        | 75cm          | violet | A+0813V4T75                | A+0713V4T75                |             |             |             |
| <br>13mm Double | 45cm<br>60cm  | violet | A+0813V4F45<br>A+0813V4F60 | A+0713V4F45<br>A+0713V4F60 |             |             |             |
| <br>18mm        | 75cm          | violet |                            |                            | A+0618V4T75 | A+0518V4T75 |             |
| <br>24mm        | 75cm          | violet |                            |                            | A+0624V4T75 | A+0524V4T75 | A+0424V4T75 |

### 3/8 CIRCLE REVERSE CUTTING EDGE

| NEEDLE<br>TYPE                                                                            | SUTURE<br>LENGTH | COLOR  | USP                        |                            |                            |             |                            |
|-------------------------------------------------------------------------------------------|------------------|--------|----------------------------|----------------------------|----------------------------|-------------|----------------------------|
|                                                                                           |                  |        | 3/0                        | 2/0                        | 0                          | 1           | 2                          |
| <br>26mm | 75cm<br>90cm     | violet | A+0526V4T75<br>A+0526V4T90 | A+0426V4T75<br>A+0426V4T90 |                            |             |                            |
| <br>36mm | 75cm<br>90cm     | violet |                            | A+0436V4T75<br>A+0436V4T90 | A+0336V4T75<br>A+0336V4T90 |             |                            |
| <br>48mm  | 75cm<br>90cm     | violet |                            |                            |                            | A+0248V4T75 | A+0148V4T75<br>A+0148V4T90 |

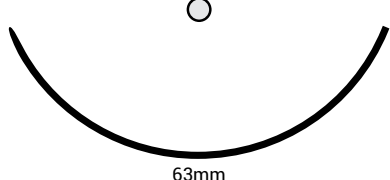
### 5/8 CIRCLE TAPER POINT

| NEEDLE<br>TYPE                                                                             | SUTURE<br>LENGTH | COLOR  | USP         |                            |                            |
|--------------------------------------------------------------------------------------------|------------------|--------|-------------|----------------------------|----------------------------|
|                                                                                            |                  |        | 3/0         | 2/0                        | 0                          |
| <br>26mm  | 75cm<br>90cm     | violet | A+0526U1T75 | A+0426U1T75<br>A+0426U1T90 |                            |
| <br>36mm | 75cm<br>90cm     | violet |             | A+0436U1T75<br>A+0436U1T90 | A+0336U1T75<br>A+0336U1T90 |

## STRAIGHT CUTTING

| NEEDLE<br>TYPE                                                                    | SUTURE<br>LENGTH | COLOR  | USP         |             |             |
|-----------------------------------------------------------------------------------|------------------|--------|-------------|-------------|-------------|
|                                                                                   |                  |        | 4/0         | 3/0         | 2/0         |
|  | 75cm             | violet | A+0660S3T75 | A+0560S3T75 | A+0460S3T75 |
|                                                                                   | 90cm             |        | A+0660S3T90 | A+0560S3T90 | A+0460S3T90 |

## 3/8 CIRCLE BLUNT POINT

| NEEDLE<br>TYPE                                                                   | SUTURE<br>LENGTH | COLOR  | USP         |             |             |
|----------------------------------------------------------------------------------|------------------|--------|-------------|-------------|-------------|
|                                                                                  |                  |        | 0           | 1           | 2           |
|  | 75cm             | violet | A+0363V2T75 | A+0263V2T75 | A+0163V2T75 |
|                                                                                  | 90cm             |        |             | A+0263V2T90 | A+0163V2T90 |

## SUTURES WITHOUT NEEDLE

| USP | 150cm     | 250cm     | 2x70cm    | 5x70cm    | 6x45cm    | 12x45cm   | 10x50cm   | 17x45cm   |
|-----|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| 5/0 | A+07x1501 | A+07X2501 | A+07X7002 | A+07X7005 | A+07X4506 | A+07X4512 | A+07X5010 | A+07X4517 |
| 4/0 | A+06X1501 | A+06X2501 | A+06X7002 | A+06X7005 | A+06X4506 | A+06X4512 | A+06X5010 | A+06X4517 |
| 3/0 | A+05X1501 | A+05X2501 | A+05X7002 | A+05X7005 | A+05X4506 | A+05X4512 | A+05X5010 | A+05X4517 |
| 2/0 | A+04X1501 | A+04X2501 | A+04X7002 | A+04X7005 | A+04X4506 | A+04X4512 |           |           |
| 0   | A+03X1501 | A+03X2501 | A+03X7002 | A+03X7005 | A+03X4506 |           |           |           |
| 1   | A+02X1501 | A+02X2501 | A+02X7002 | A+02X7005 | A+02X4506 |           |           |           |





# **ALCALACTINE**® PLUS

Your solution partner  
in surgical area infections

## Antibacterial PGLA - Poly (glycolic acid (90%) - co-lactic acid (10%))

ALCALACTINE®PLUS sutures are synthetic absorbable sterile surgical sutures which are composed of a copolymer made from 90% glycolide and 10% L-lactic acid. The braided structure of the suture is coated. Coated suture is prepared by Calcium Stearate and Polyglycolic Acid (30%)- Lactic Acid (70%) mixture. ALCALACTINE®PLUS sutures contain "Chlorhexidine diacetate" a broad-spectrum antibacterial agent.

In order to ease of operation, ALCALACTINE®PLUS sutures are colored violet . ALCALACTINE®PLUS sutures have been presented in USP 5/0 – USP 2 gauge sizes in a variety of lengths from 10 cm to 150 cm , as non-needled or attached to stainless steel needles of varying types and sizes.

ALCALACTINE®PLUS



Absorbable, multifilament, coated, violet

### CHEMICAL STRUCTURE

Poly (glycolic acid (90%) - co-lactic acid (10%)) synthetic, absorbable, braided surgical suture containing chlorhexidine as antibacterial agent

### COATING

Poly (glycolide-co-L-lactide) and calcium stearate

### WOUND SUPPORT

~ 30 days

### ABSORPTION

~ 56-70 days

### TENSILE STRENGTH

2<sup>nd</sup> week ~ 75%  
3<sup>rd</sup> week ~ 50% wound support

### USP RANGE

5/0 - 2

### STERILIZATION

EO (Ethylene Oxide)

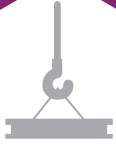
### PACKAGING

In aluminum foil packages with needle or without needle



## HIGH TENSILE STRENGTH

Excellent wound support



## BRAIDED STRUCTURE

Minimum suture memory  
High usage characteristic  
Flexibility  
Excellent tensile strength  
Excellent knot safety



## ANTIBACTERIAL EFFICACY

Provides superior protection against bacterial colonization.  
Creates a zone of inhibition against the pathogens that cause surgical site infections.



## COATED MULTIFILAMENT

Minimum tissue trauma  
Minimum capillarity  
Ease of knot tying and adjustability



## ALCALACTINE<sup>®</sup>PLUS

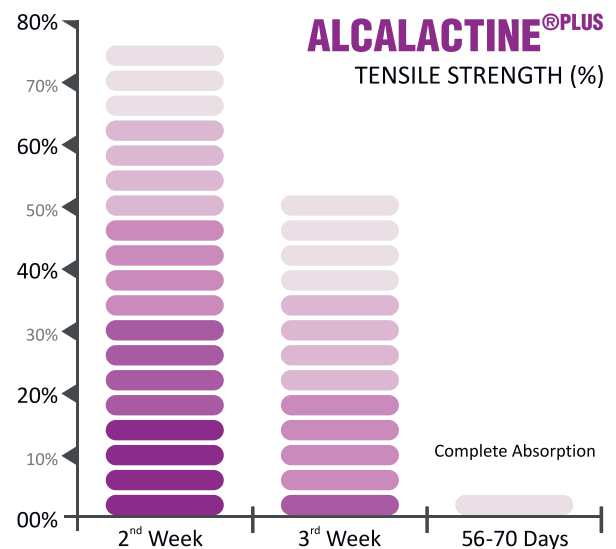
contains "Chlorhexidine" as an antibacterial agent.

**Chlorhexidine** antibacterial agent is a proven chemical that has a superior effect on the following bacteria:

- *Staphylococcus aureus*,
- *Staphylococcus epidermidis*,
- *MRSA (Methicillin resistant Staphylococcus aureus)*
- *MRSE (Methicillin resistant Staphylococcus epidermidis)*
- *Escherichia coli*
- *Klebsiella pneumoniae*

## AREAS OF USAGE

- General Surgery
- Gynecology
- Ophthalmic Surgery
- Orthopedic Surgery
- Urology
- Gastrointestinal Surgery
- General Soft Tissue Approximation and/or Ligation
- Skin Closures





## 3/8 CIRCLE SPATULA

| NEEDLE TYPE                                                                                     | SUTURE LENGTH | COLOR  | USP         |     |     |     |
|-------------------------------------------------------------------------------------------------|---------------|--------|-------------|-----|-----|-----|
|                                                                                                 |               |        | 8/0         | 7/0 | 6/0 | 5/0 |
| <br>6mm Double | 45cm          | violet | C+1006V7F45 |     |     |     |

## 1/4 CIRCLE SPATULA

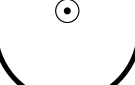
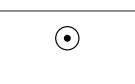
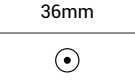
| NEEDLE TYPE                                                                                     | SUTURE LENGTH | COLOR  | USP |             |             |             |
|-------------------------------------------------------------------------------------------------|---------------|--------|-----|-------------|-------------|-------------|
|                                                                                                 |               |        | 8/0 | 7/0         | 6/0         | 5/0         |
| <br>8mm Double | 45cm          | violet |     | C+0908R7F45 | C+0808R7F45 | C+0708R7F45 |

## 1/2 CIRCLE TAPER POINT

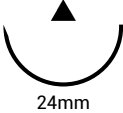
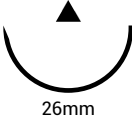
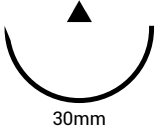
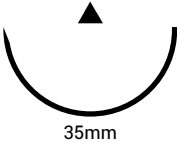
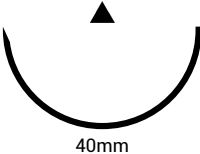
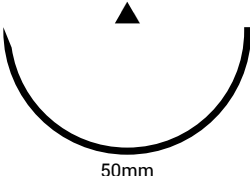
| NEEDLE TYPE                                                                                 | SUTURE LENGTH | COLOR  | USP                        |                            |             |             |             |   |
|---------------------------------------------------------------------------------------------|---------------|--------|----------------------------|----------------------------|-------------|-------------|-------------|---|
|                                                                                             |               |        | 6/0                        | 5/0                        | 4/0         | 3/0         | 2/0         | 0 |
| <br>10mm   | 45cm<br>60cm  | violet | C+0810Z1T45<br>C+0810Z1T60 | C+0710Z1T45<br>C+0710Z1T60 |             |             |             |   |
| <br>13mm | 45cm<br>60cm  | violet | C+0813Z1T45<br>C+0813Z1T60 | C+0713Z1T45<br>C+0713Z1T60 | C+0613Z1T60 |             |             |   |
| <br>16mm | 75cm          | violet |                            | C+0716Z1T75                | C+0616Z1T75 | C+0516Z1T75 |             |   |
| <br>18mm | 75cm          | violet |                            |                            | C+0618Z1T75 | C+0518Z1T75 |             |   |
| <br>20mm | 75cm          | violet |                            |                            | C+0620Z1T75 | C+0520Z1T75 |             |   |
| <br>22mm | 75cm          | violet |                            |                            |             | C+0522Z1T75 | C+0422Z1T75 |   |
| <br>24mm | 75cm          | violet |                            |                            |             | C+0524Z1T75 |             |   |



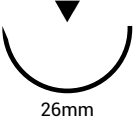
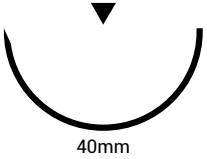
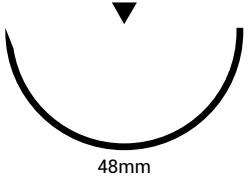
## 1/2 CIRCLE TAPER POINT

| NEEDLE<br>TYPE                                                                              | SUTURE<br>LENGTH | COLOR  | USP                        |                            |                            |                            |                            |                            |
|---------------------------------------------------------------------------------------------|------------------|--------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|
|                                                                                             |                  |        | 4/0                        | 3/0                        | 2/0                        | 0                          | 1                          | 2                          |
| <br>26mm   | 75cm<br>90cm     | violet | C+0626Z1T75<br>C+0626Z1T90 | C+0526Z1T75<br>C+0526Z1T90 | C+0426Z1T75<br>C+0426Z1T90 | C+0326Z1T75<br>C+0326Z1T90 |                            |                            |
| <br>30mm   | 75cm<br>90cm     | violet |                            | C+0530Z1T75                | C+0430Z1T75                | C+0330Z1T75<br>C+0330Z1T90 | C+0230Z1T75<br>C+0230Z1T90 |                            |
| <br>35mm   | 75cm             | violet |                            |                            | C+0435Z1T75                | C+0335Z1T75                | C+0235Z1T75                |                            |
| <br>36mm   | 75cm             | violet |                            |                            | C+0436Z1T75                | C+0336Z1T75                |                            |                            |
| <br>40mm   | 75cm<br>90cm     | violet |                            |                            | C+0440Z1T75                | C+0340Z1T75                | C+0240Z1T75<br>C+0240Z1T90 | C+0140Z1T75<br>C+0140Z1T90 |
| <br>45mm  | 75cm<br>90cm     | violet |                            |                            |                            |                            | C+0245Z1T75<br>C+0245Z1T90 | C+0145Z1T75<br>C+0145Z1T90 |
| <br>48mm | 75cm<br>90cm     | violet |                            |                            |                            |                            | C+0248Z1T75                | C+0148Z1T75<br>C+0148Z1T90 |
| <br>50mm | 75cm<br>90cm     | violet |                            |                            |                            |                            |                            | C+0150Z1T75<br>C+0150Z1T90 |

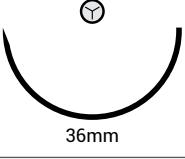
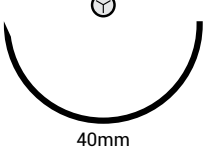
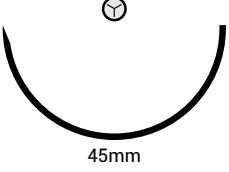
## 1/2 CIRCLE CUTTING EDGE

| NEEDLE<br>TYPE                                                                              | SUTURE<br>LENGTH | COLOR  | USP         |             |                            |                            |             |                            |                            |
|---------------------------------------------------------------------------------------------|------------------|--------|-------------|-------------|----------------------------|----------------------------|-------------|----------------------------|----------------------------|
|                                                                                             |                  |        | 5/0         | 4/0         | 3/0                        | 2/0                        | 0           | 1                          | 2                          |
| <br>16mm   | 75cm             | violet | C+0716Z3T75 |             |                            |                            |             |                            |                            |
| <br>20mm   | 75cm             | violet | C+0720Z3T75 | C+0620Z3T75 |                            |                            |             |                            |                            |
| <br>24mm   | 75cm             | violet |             |             | C+0524Z3T75                |                            |             |                            |                            |
| <br>26mm   | 75cm<br>90cm     | violet |             |             | C+0526Z3T75<br>C+0526Z3T90 | C+0426Z3T75<br>C+0426Z3T90 |             |                            |                            |
| <br>30mm   | 75cm<br>90cm     | violet |             |             |                            | C+0430Z3T75<br>C+0430Z3T90 | C+0330Z3T75 |                            |                            |
| <br>35mm  | 75cm             | violet |             |             |                            |                            | C+0335Z3T75 | C+0235Z3T75                |                            |
| <br>40mm | 75cm<br>90cm     |        |             |             |                            |                            |             | C+0240Z3T75<br>C+0240Z3T90 | C+0140Z3T75<br>C+0140Z3T90 |
| <br>50mm | 75cm<br>90cm     |        |             |             |                            |                            |             |                            | C+0150Z3T75<br>C+0150Z3T90 |

## 1/2 CIRCLE REVERSE CUTTING EDGE

| NEEDLE TYPE                                                                               | SUTURE LENGTH | COLOR  | USP         |                            |                            |                            |
|-------------------------------------------------------------------------------------------|---------------|--------|-------------|----------------------------|----------------------------|----------------------------|
|                                                                                           |               |        | 2/0         | 0                          | 1                          | 2                          |
| <br>26mm | 75cm          | violet | C+0426Z4T75 | C+0326Z4T75                | C+0226Z4T75                |                            |
| <br>40mm | 75cm<br>90cm  | violet |             | C+0340Z4T75<br>C+0340Z4T90 | C+0240Z4T75<br>C+0240Z4T90 |                            |
| <br>48mm | 75cm<br>90cm  | violet |             | C+0348Z4T75                | C+0248Z4T75<br>C+0248Z4T90 | C+0148Z4T75<br>C+0148Z4T90 |

## 1/2 CIRCLE TAPER CUT

| NEEDLE TYPE                                                                                 | SUTURE LENGTH | COLOR  | USP                        |                            |                            |                            |                            |             |
|---------------------------------------------------------------------------------------------|---------------|--------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|-------------|
|                                                                                             |               |        | 4/0                        | 3/0                        | 2/0                        | 0                          | 1                          | 2           |
| <br>22mm  | 75cm<br>90cm  | violet | C+0622Z5T75<br>C+0622Z5T90 | C+0522Z5T75<br>C+0522Z5T90 | C+0422Z5T75<br>C+0422Z5T90 |                            |                            |             |
| <br>36mm | 75cm<br>90cm  | violet |                            | C+0536Z5T75<br>C+0536Z5T90 | C+0436Z5T75<br>C+0436Z5T90 | C+0336Z5T75<br>C+0336Z5T90 | C+0236Z5T75                |             |
| <br>40mm | 75cm<br>90cm  | violet |                            |                            | C+0440Z5T75                | C+0340Z5T75<br>C+0340Z5T90 | C+0240Z5T75<br>C+0240Z5T90 |             |
| <br>45mm | 75cm<br>90cm  | violet |                            |                            |                            | C+0345Z5T75<br>C+0345Z5T90 | C+0245Z5T75<br>C+0245Z5T90 | C+0145Z5T90 |

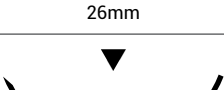
## 3/8 CIRCLE TAPER POINT

| NEEDLE TYPE                                                                                 | SUTURE LENGTH | COLOR  | USP                        |             |             |
|---------------------------------------------------------------------------------------------|---------------|--------|----------------------------|-------------|-------------|
|                                                                                             |               |        | 6/0                        | 5/0         | 4/0         |
| <br>13mm | 60cm<br>75cm  | violet | C+0813V1T60<br>C+0813V1T75 | C+0713V1T75 | C+0613V1T75 |
| <br>17mm | 75cm          | violet |                            | C+0717V1T75 | C+0617V1T75 |

### 3/8 CIRCLE CUTTING EDGE

| NEEDLE TYPE                                                                               | SUTURE LENGTH | COLOR  | USP                        |                            |                            |                            |                            |
|-------------------------------------------------------------------------------------------|---------------|--------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|
|                                                                                           |               |        | 5/0                        | 4/0                        | 3/0                        | 2/0                        | 0                          |
| <br>16mm | 60cm<br>75cm  | violet | C+0716V3T60<br>C+0716V3T75 | C+0616V3T60<br>C+0616V3T75 | C+0516V3T75                |                            |                            |
| <br>20mm | 75cm          | violet |                            | C+0620V3T75                | C+0520V3T75                |                            |                            |
| <br>26mm | 75cm<br>90cm  | violet |                            | C+0626V3T75                | C+0526V3T75<br>C+0526V3T90 | C+0426V3T75<br>C+0426V3T90 |                            |
| <br>30mm | 75cm<br>90cm  | violet |                            |                            | C+0530V3T75                | C+0430V3T75<br>C+0430V3T90 | C+0330V3T75<br>C+0330V3T90 |

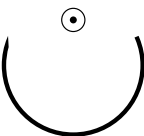
### 3/8 CIRCLE REVERSE CUTTING EDGE

| NEEDLE TYPE                                                                                        | SUTURE LENGTH | COLOR  | USP                        |                            |                            |                            |                            |                            |
|----------------------------------------------------------------------------------------------------|---------------|--------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|
|                                                                                                    |               |        | 5/0                        | 4/0                        | 3/0                        | 2/0                        | 1                          | 2                          |
| <br>13mm          | 75cm          | violet | C+0713V4T75                | C+0613V4T75                |                            |                            |                            |                            |
| <br>13mm Double | 45cm<br>60cm  | violet | C+0713V4F45<br>C+0713V4F60 |                            |                            |                            |                            |                            |
| <br>18mm        | 45cm<br>75cm  | violet |                            | C+0618V4T45<br>C+0618V4T75 |                            |                            |                            |                            |
| <br>26mm        | 75cm<br>90cm  | violet |                            |                            | C+0526V4T75<br>C+0526V4T90 | C+0426V4T75<br>C+0426V4T90 |                            |                            |
| <br>36mm        | 75cm<br>90cm  | violet |                            |                            |                            | C+0436V4T75<br>C+0436V4T90 | C+0236V4T75                |                            |
| <br>48mm         | 75cm<br>90cm  | violet |                            |                            |                            |                            | C+0248V4T75<br>C+0248V4T90 | C+0148V4T75<br>C+0148V4T90 |

### 3/8 CIRCLE TAPER CUT

| NEEDLE TYPE                                                                                 | SUTURE LENGTH | COLOR  | USP         |             |             |
|---------------------------------------------------------------------------------------------|---------------|--------|-------------|-------------|-------------|
|                                                                                             |               |        | 5/0         | 4/0         | 3/0         |
| <br>17mm | 75cm          | violet | C+0717V5T75 | C+0617V5T75 | C+0517V5T75 |

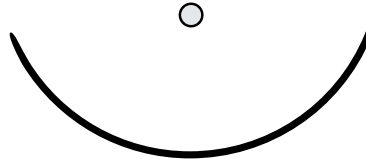
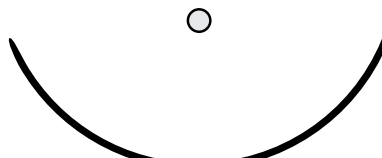
## 5/8 CIRCLE TAPER POINT

| NEEDLE TYPE                                                                               | SUTURE LENGTH | COLOR  | USP                        |                            |
|-------------------------------------------------------------------------------------------|---------------|--------|----------------------------|----------------------------|
|                                                                                           |               |        | 2/0                        | 0                          |
| <br>26mm | 75cm<br>90cm  | violet | C+0426U1T75<br>C+0426U1T90 |                            |
| <br>36mm | 75cm<br>90cm  | violet | C+0436U1T75<br>C+0436U1T90 | C+0336U1T75<br>C+0336U1T90 |

## STRAIGHT CUTTING

| NEEDLE TYPE                                                                               | SUTURE LENGTH | COLOR  | USP                        |                            |                            |
|-------------------------------------------------------------------------------------------|---------------|--------|----------------------------|----------------------------|----------------------------|
|                                                                                           |               |        | 4/0                        | 3/0                        | 2/0                        |
| <br>60mm | 75cm<br>90cm  | violet | C+0660S3T75<br>C+0660S3T90 | C+0560S3T75<br>C+0560S3T90 | C+0460S3T75<br>C+0460S3T90 |

## 3/8 CIRCLE BLUNT POINT

| NEEDLE TYPE                                                                                | SUTURE LENGTH | COLOR  | USP                        |                            |
|--------------------------------------------------------------------------------------------|---------------|--------|----------------------------|----------------------------|
|                                                                                            |               |        | 1                          | 2                          |
| <br>60mm  | 75cm<br>90cm  | violet | C+0260V2T75<br>C+0260V2T90 | C+0160V2T75<br>C+0160V2T90 |
| <br>63mm | 75cm<br>90cm  | violet | C+0263V2T75                | C+0163V2T75<br>C+0163V2T90 |

## SUTURES WITHOUT NEEDLE

| USP | 150cm     | 250cm     | 6x45cm    | 12x45cm   | 10x50cm   | 17x45cm   |
|-----|-----------|-----------|-----------|-----------|-----------|-----------|
| 4/0 | C+06X1501 | C+06X2501 | C+06X4506 |           |           |           |
| 3/0 | C+05X1501 | C+05X2501 | C+05X4506 | C+05X4512 |           | C+05X4517 |
| 2/0 | C+04X1501 | C+04X2501 | C+04X4506 | C+04X4512 | C+04X5010 | C+04X4517 |
| 0   | C+03X1501 | C+03X2501 | C+03X4506 | C+03X4512 | C+03X5010 |           |
| 1   | C+02X1501 | C+02X2501 | C+02X4506 |           |           |           |





**ALCALACTONE**® PLUS

Minimum trauma,  
strong antibacterial effect

## Antibacterial PGCL - Poly (glycolic acid (75%) - co - caprolactone (25%))

ALCALACTONE® PLUS sutures are synthetic absorbable sterile surgical sutures which are made of Polyglycolide and caprolactone. ALCALACTONE® PLUS sutures contain "Chlorhexidine diacetate" a broad- spectrum antibacterial agent.

In order to ease of operation, ALCALACTONE® PLUS sutures are colored D&G violet No: 2 or undyed (beige, natural). ALCALACTONE® PLUS sutures have been presented in USP 5/0 – USP 2 gauge sizes in a variety of lengths from 10 cm to 150 cm, as non-needled or attached to stainless steel needles of varying types and sizes.

|                                                                                   |                                                                                                                                            |
|-----------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|
|  | Absorbable, monofilament, violet                                                                                                           |
| <b>CHEMICAL STRUCTURE</b>                                                         | Poly (glycolic acid (75%) - co - caprolactone (25%)) synthetic, absorbable surgical suture containing chlorhexidine as antibacterial agent |
| <b>COATING</b>                                                                    | -                                                                                                                                          |
| <b>WOUND SUPPORT</b>                                                              | ~ 21 days                                                                                                                                  |
| <b>ABSORPTION</b>                                                                 | ~ 90-120 days                                                                                                                              |
| <b>TENSILE STRENGTH</b>                                                           | 1 <sup>st</sup> week ~ 60%<br>2 <sup>nd</sup> week ~ 30%-40% wound support                                                                 |
| <b>USP RANGE</b>                                                                  | 5/0 - 2                                                                                                                                    |
| <b>STERILIZATION</b>                                                              | EO (Ethylene Oxide)                                                                                                                        |
| <b>PACKAGING</b>                                                                  | In aluminum foil packages, with needle or without needle                                                                                   |





## ANTIBACTERIAL EFFICACY

Provides superior protection against bacterial colonization. Creates an efficient zone of inhibition against the pathogens that cause surgical site infections.

## FLEXIBILITY AND SOFTNESS

Superior ease of use  
Easy and safety knot tying

## SMOOTH MONOFILAMENT STRUCTURE AT MICROSCOPIC LEVEL

Minimum wound trauma  
Excellent surface to prevent bacterial adherence

## ALCALACTONE®PLUS

contains "Chlorhexidine" as an antibacterial agent.

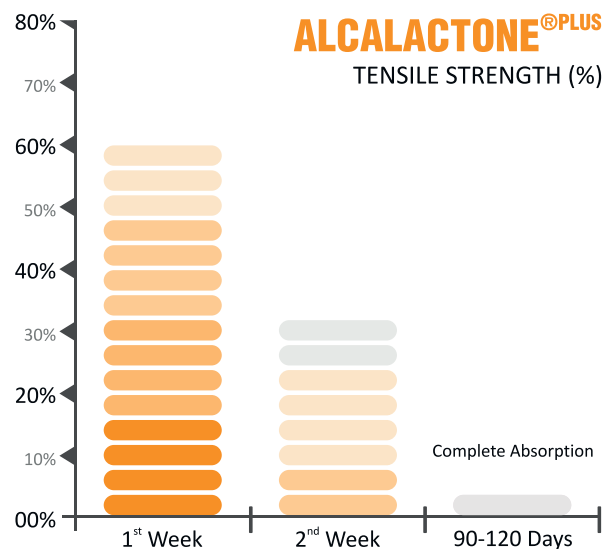
**Chlorhexidine** antibacterial agent is a proven chemical that has a superior effect on the following bacteria:

- *Staphylococcus aureus*,
- *Staphylococcus epidermidis*,
- *MRSA (Methicillin resistant Staphylococcus aureus)*
- *MRSE (Methicillin resistant Staphylococcus epidermidis)*
- *Escherichia coli*
- *Klebsiella pneumoniae*

## AREAS OF USAGE

- Skin Closures
- General Soft Tissue Approximation and/or Ligation
- Gynecology
- Dermatology
- Plastic Surgery
- Gastrointestinal Surgery
- Urology
- General Surgery
- Ligations

## ALCALACTONE®PLUS TENSILE STRENGTH (%)





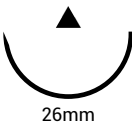
## 1/2 CIRCLE TAPER POINT

| NEEDLE TYPE                                                                                 | SUTURE LENGTH | COLOR  | USP         |             |                            |                            |             |
|---------------------------------------------------------------------------------------------|---------------|--------|-------------|-------------|----------------------------|----------------------------|-------------|
|                                                                                             |               |        | 6/0         | 5/0         | 4/0                        | 3/0                        | 2/0         |
| <br>13mm   | 75cm          | violet | G+0813Z1T75 | G+0713Z1T75 |                            |                            |             |
| <br>16mm   | 75cm          | violet |             | G+0716Z1T75 | G+0616Z1T75                |                            |             |
| <br>18mm   | 75cm          | violet |             |             |                            | G+0518Z1T75                |             |
| <br>20mm   | 75cm          | violet |             |             | G+0620Z1T75                | G+0520Z1T75                |             |
| <br>22mm   | 75cm          | violet |             |             | G+0622Z1T75                | G+0522Z1T75                |             |
| <br>25mm   | 75cm          | violet |             |             | G+0625Z1T75                | G+0525Z1T75                | G+0425Z1T75 |
| <br>26mm | 75cm<br>90cm  | violet |             |             | G+0626Z1T75<br>G+0626Z1T90 | G+0526Z1T75<br>G+0526Z1T90 |             |

## 1/2 CIRCLE TAPER POINT

| NEEDLE TYPE                                                                                 | SUTURE LENGTH | COLOR  | USP         |             |                            |                            |                            |
|---------------------------------------------------------------------------------------------|---------------|--------|-------------|-------------|----------------------------|----------------------------|----------------------------|
|                                                                                             |               |        | 3/0         | 2/0         | 0                          | 1                          | 2                          |
| <br>30mm | 75cm          | violet | G+0530Z1T75 | G+0430Z1T75 |                            |                            |                            |
| <br>40mm | 75cm<br>90cm  | violet |             | G+0440Z1T75 | G+0340Z1T75                | G+0240Z1T75<br>G+0240Z1T90 |                            |
| <br>45mm | 75cm<br>90cm  | violet |             |             |                            | G+0245Z1T75<br>G+0245Z1T90 | G+0145Z1T75<br>G+0145Z1T90 |
| <br>50mm | 75cm<br>90cm  | violet |             |             | G+0350Z1T75<br>G+0350Z1T90 | G+0250Z1T75                | G+0150Z1T75<br>G+0150Z1T90 |

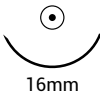
### 1/2 CIRCLE CUTTING EDGE

| NEEDLE TYPE                                                                               | SUTURE LENGTH | COLOR  | USP         |             |                            |                            |
|-------------------------------------------------------------------------------------------|---------------|--------|-------------|-------------|----------------------------|----------------------------|
|                                                                                           |               |        | 5/0         | 4/0         | 3/0                        | 2/0                        |
| <br>16mm | 75cm          | violet | G+0716Z3T75 | G+0616Z3T75 |                            |                            |
| <br>20mm | 75cm          | violet | G+0720Z3T75 | G+0620Z3T75 | G+0520Z3T75                |                            |
| <br>26mm | 75cm<br>90cm  | violet |             |             | G+0526Z3T75<br>G+0526Z3T90 | G+0426Z3T75<br>G+0426Z3T90 |

### 3/8 CIRCLE CUTTING EDGE

| NEEDLE TYPE                                                                                 | SUTURE LENGTH | COLOR  | USP         |             |                            |                            |
|---------------------------------------------------------------------------------------------|---------------|--------|-------------|-------------|----------------------------|----------------------------|
|                                                                                             |               |        | 5/0         | 4/0         | 3/0                        | 2/0                        |
| <br>16mm   | 75cm          | violet | G+0716V3T75 | G+0616V3T75 |                            |                            |
| <br>19mm   | 75cm          | violet |             | G+0619V3T75 | G+0519V3T75                |                            |
| <br>20mm | 75cm          | violet |             | G+0620V3T75 | G+0520V3T75                |                            |
| <br>26mm | 75cm<br>90cm  | violet |             |             | G+0526V3T75<br>G+0526V3T90 | G+0426V3T75<br>G+0426V3T90 |

### 3/8 CIRCLE TAPER POINT

| NEEDLE TYPE                                                                                 | SUTURE LENGTH | COLOR  | USP         |                            |                            |
|---------------------------------------------------------------------------------------------|---------------|--------|-------------|----------------------------|----------------------------|
|                                                                                             |               |        | 6/0         | 5/0                        | 4/0                        |
| <br>13mm | 75cm          | violet | G+0813V1T75 | G+0713V1T75                |                            |
| <br>16mm | 60cm<br>75cm  | violet |             | G+0716V1T60<br>G+0716V1T75 | G+0616V1T60<br>G+0616V1T75 |

## 3/8 CIRCLE REVERSE CUTTING EDGE

| NEEDLE<br>TYPE                                                                            | SUTURE<br>LENGTH | COLOR  | USP         |                            |                            |                            |
|-------------------------------------------------------------------------------------------|------------------|--------|-------------|----------------------------|----------------------------|----------------------------|
|                                                                                           |                  |        | 6/0         | 5/0                        | 4/0                        | 3/0                        |
| <br>13mm | 75cm             | violet | G+0813V4T75 | G+0713V4T75                |                            |                            |
| <br>16mm | 60cm<br>75cm     | violet |             | G+0716V4T60<br>G+0716V4T75 | G+0616V4T60<br>G+0616V4T75 |                            |
| <br>19mm | 75cm             | violet |             | G+0719V4T75                | G+0619V4T75                |                            |
| <br>24mm | 75cm<br>90cm     | violet |             |                            |                            | G+0524V4T75<br>G+0524V4T90 |



**ALCADINONE<sup>®</sup> PLUS**

Long-term wound support,  
minimum infection risk

## Antibacterial PDO - Polydioxanone

ALCADINONE® PLUS sutures are synthetic absorbable sterile surgical sutures which are made of Polydioxanone. ALCADINONE® PLUS sutures contain "Chlorhexidine diacetate" a broad-spectrum antibacterial agent.

In order to ease of operation, ALCADINONE® PLUS sutures are colored D&G violet No:2. ALCADINONE® PLUS sutures have been presented in USP 5/0 – USP 2 gauge sizes in a variety of lengths from 10 cm to 150 cm, as non-needled or attached to stainless steel needles of varying types and sizes.

|                                                                                   |                                                                                                             |
|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------|
|  | Absorbable, monofilament, violet                                                                            |
| <b>CHEMICAL STRUCTURE</b>                                                         | 100% polydioxanone synthetic, absorbable surgical suture containing chlorhexidine as an antibacterial agent |
| <b>COATING</b>                                                                    | -                                                                                                           |
| <b>WOUND SUPPORT</b>                                                              | ~ 60 days                                                                                                   |
| <b>ABSORPTION</b>                                                                 | ~ 180-210 days                                                                                              |
| <b>TENSILE STRENGTH</b>                                                           | 2 <sup>nd</sup> week ~ 75%<br>4 <sup>th</sup> week ~ 60% wound support                                      |
| <b>USP RANGE</b>                                                                  | 6/0 - 2                                                                                                     |
| <b>STERILIZATION</b>                                                              | EO (Ethylene Oxide)                                                                                         |
| <b>PACKAGING</b>                                                                  | In aluminium foil packages, with needle or without needle                                                   |



## HIGH AND LONG-TERM TENSILE STRENGTH

Superior structure maintaining its tensile strength for long-term wound support

## SMOOTH MONOFILAMENT STRUCTURE AT MICROSCOPIC LEVEL

Minimum wound trauma  
Excellent surface to prevent bacterial adherence

## ANTIBACTERIAL EFFICACY

Provides superior protection against bacterial colonization.  
Creates an efficient zone of inhibition against the pathogens that cause surgical site infections.

## ALCADINONE<sup>®</sup>PLUS

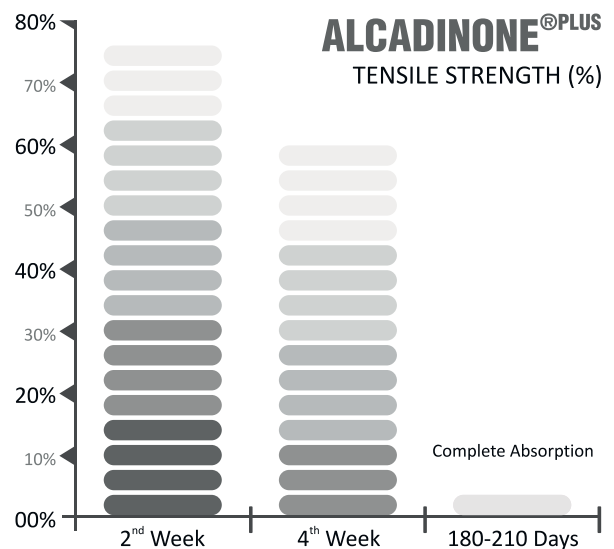
contains "Chlorhexidine" as an antibacterial agent.

**Chlorhexidine** antibacterial agent is a proven chemical that has a superior effect on the following bacteria:

- *Staphylococcus aureus*,
- *Staphylococcus epidermidis*,
- *MRSA (Methicillin resistant Staphylococcus aureus)*
- *MRSE (Methicillin resistant Staphylococcus epidermidis)*
- *Escherichia coli*
- *Klebsiella pneumoniae*

## AREAS OF USAGE

- Orthopedic Surgery (tendon, joint capsule)
- Soft Tissue Approximations
- General Surgery
- Dermatology
- Ligations
- Cardiovascular Surgery
- Plastic Surgery
- Urology
- Ophthalmic Surgery
- Abdominal Wall Closure



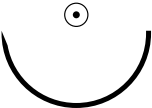
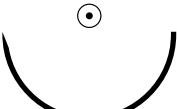
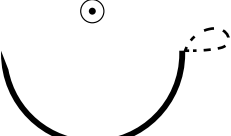
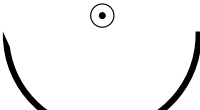
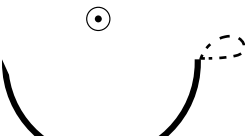
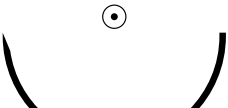
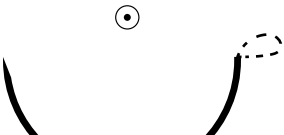
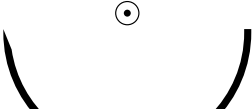


### 1/2 CIRCLE TAPER POINT

| NEEDLE TYPE                                                                                      | SUTURE LENGTH | COLOR  | USP                        |                            |                            |                            |                            |                            |
|--------------------------------------------------------------------------------------------------|---------------|--------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|
|                                                                                                  |               |        | 6/0                        | 5/0                        | 4/0                        | 3/0                        | 2/0                        | 0                          |
| <br>13mm        | 45cm<br>75cm  | violet | H+0813Z1T45<br>H+0813Z1T75 | H+0713Z1T45<br>H+0713Z1T75 |                            |                            |                            |                            |
| <br>16mm        | 75cm          | violet |                            | H+0716Z1T75                | H+0616Z1T75                | H+0516Z1T75                |                            |                            |
| <br>16mm Double | 60cm<br>75cm  | violet |                            | H+0716Z1F60<br>H+0716Z1F75 | H+0616Z1F60<br>H+0616Z1F75 |                            |                            |                            |
| <br>17mm        | 75cm          | violet |                            |                            | H+0617Z1T75                |                            |                            |                            |
| <br>20mm        | 75cm          | violet |                            |                            | H+0620Z1T75                | H+0520Z1T75                |                            |                            |
| <br>22mm       | 75cm          | violet |                            |                            |                            | H+0522Z1T75                |                            |                            |
| <br>25mm      | 75cm          | violet |                            |                            | H+0625Z1T75                | H+0525Z1T75                | H+0425Z1T75                |                            |
| <br>26mm      | 75cm<br>90cm  | violet |                            |                            | H+0626Z1T75<br>H+0626Z1T90 | H+0526Z1T75<br>H+0526Z1T90 | H+0426Z1T75<br>H+0426Z1T90 | H+0326Z1T75<br>H+0326Z1T90 |



## 1/2 CIRCLE TAPER POINT

| NEEDLE<br>TYPE                                                                                   | SUTURE<br>LENGTH | COLOR  | USP         |             |                            |                            |                            |
|--------------------------------------------------------------------------------------------------|------------------|--------|-------------|-------------|----------------------------|----------------------------|----------------------------|
|                                                                                                  |                  |        | 3/0         | 2/0         | 0                          | 1                          | 2                          |
| <br>30mm        | 75cm<br>90cm     | violet | H+0530Z1T75 | H+0430Z1T75 | H+0330Z1T75<br>H+0330Z1T90 | H+0230Z1T75<br>H+0230Z1T90 |                            |
| <br>35mm        | 75cm             | violet |             | H+0435Z1T75 | H+0335Z1T75                |                            |                            |
| <br>37mm loop   | 150cm            | violet |             |             | H+0337Z1P150               |                            |                            |
| <br>40mm        | 75cm             | violet |             | H+0440Z1T75 | H+0340Z1T75                | H+0240Z1T75                |                            |
| <br>40mm loop  | 150cm            | violet |             |             | H+0340Z1P150               | H+0240Z1P150               |                            |
| <br>45mm      | 75cm<br>90cm     | violet |             |             |                            | H+0245Z1T75<br>H+0245Z1T90 | H+0145Z1T75<br>H+0145Z1T90 |
| <br>48mm loop | 150cm            | violet |             |             | H+0348Z1F150               | H+0248Z1F150               |                            |
| <br>50mm      | 75cm<br>90cm     | violet |             |             | H+0350Z1T75<br>H+0350Z1T90 | H+0250Z1T75                | H+0150Z1T75<br>H+0150Z1T90 |

# 1/2 CIRCLE CUTTING EDGE

| NEEDLE<br>TYPE                                                                              | SUTURE<br>LENGTH | COLOR  | USP                        |                            |             |                            |                            |                            |             |
|---------------------------------------------------------------------------------------------|------------------|--------|----------------------------|----------------------------|-------------|----------------------------|----------------------------|----------------------------|-------------|
|                                                                                             |                  |        | 6/0                        | 5/0                        | 4/0         | 3/0                        | 2/0                        | 0                          | 1           |
| <br>13mm   | 45cm<br>75cm     | violet | H+0813Z3T45<br>H+0813Z3T75 | H+0713Z3T45<br>H+0713Z3T75 |             |                            |                            |                            |             |
| <br>16mm   | 75cm             | violet |                            | H+0716Z3T75                | H+0616Z3T75 |                            |                            |                            |             |
| <br>18mm   | 75cm             | violet |                            | H+0718Z3T75                |             |                            |                            |                            |             |
| <br>26mm   | 75cm<br>90cm     | violet |                            |                            |             | H+0526Z3T75<br>H+0526Z3T90 | H+0426Z3T75<br>H+0426Z3T90 |                            |             |
| <br>30mm   | 75cm<br>90cm     | violet |                            |                            |             |                            | H+0430Z3T75<br>H+0430Z3T90 | H+0330Z3T75<br>H+0330Z3T90 |             |
| <br>35mm   | 75cm             | violet |                            |                            |             |                            | H+0435Z3T75                |                            |             |
| <br>40mm | 75cm             | violet |                            |                            |             |                            |                            | H+0340Z3T75                | H+0240Z3T75 |

# 3/8 CIRCLE CUTTING EDGE

| NEEDLE<br>TYPE                                                                              | SUTURE<br>LENGTH | COLOR  | USP         |             |                            |                            |
|---------------------------------------------------------------------------------------------|------------------|--------|-------------|-------------|----------------------------|----------------------------|
|                                                                                             |                  |        | 5/0         | 4/0         | 3/0                        | 2/0                        |
| <br>16mm | 75cm             | violet | H+0716V3T75 | H+0616V3T75 | H+0516V3T75                |                            |
| <br>20mm | 75cm             | violet |             | H+0620V3T75 | H+0520V3T75                |                            |
| <br>25mm | 75cm             | violet |             | H+0625V3T75 |                            | H+0425V3T75                |
| <br>26mm | 75cm<br>90cm     | violet |             |             | H+0526V3T75<br>H+0526V3T90 | H+0426V3T75<br>H+0426V3T90 |
| <br>30mm | 75cm             | violet |             |             |                            | H+0430V3T75                |

## 3/8 CIRCLE TAPER POINT

| NEEDLE<br>TYPE                                                                                   | SUTURE<br>LENGTH | COLOR  | USP                        |                            |                            |                            |                            |
|--------------------------------------------------------------------------------------------------|------------------|--------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|
|                                                                                                  |                  |        | 6/0                        | 5/0                        | 4/0                        | 3/0                        | 2/0                        |
| <br>13mm Double | 60cm<br>75cm     | violet | H+0813V1F60<br>H+0813V1F75 |                            |                            |                            |                            |
| <br>16mm        | 60cm<br>75cm     | violet |                            | H+0716V1T60<br>H+0716V1T75 | H+0616V1T60<br>H+0616V1T75 |                            |                            |
| <br>26mm        | 75cm<br>90cm     | violet |                            |                            |                            | H+0526V1T75<br>H+0526V1T90 | H+0426V1T75<br>H+0426V1T90 |

design & visual content

*erdem uyulaş*

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