



SURGICAL SUTURES

“Professional tools
for professional hands”

About Us

Katsan Surgical Sutures, a leading synthetic surgical suture manufacturing company in Turkey, was founded in 1976 as a catgut producer. Katsan is striving for higher quality products and a bigger market share by using innovative technologies.



Katsan has a broad range of products that are being used in both human health and veterinary practices. Our portfolio includes synthetic surgical sutures, hemostats and mesh. We conduct researches in our R&D department in order to improve quality and efficiency of marketed products and new projects.

The Company's distribution network consists of North America, Europe, Middle East, Asia, Africa and Oceania region.



Katsan Surgical Sutures



Katsan A.S.

With our fully CE marked and ISO 13485 quality certificated product array that are produced in our T.R. Ministry of Health approved facilities, we produce world-class sterile surgical medical devices for a variety of surgical operations.

Our company success depends on high-performing and professional employees who are experts in their own fields and the creative solutions that we give to our customers.

At Katsan, we are responsible to improve quality of lives of the patients, meet the demands of customers and surgeons and we achieve these through ethical practice and by being respectful to our environment.

Professional Tools for Professional Hands...

Absorbable Sutures

- Multifilament
- Synthetic Absorbable



ALCASORB®

Polyglycolic Acid

Katsan PGA sutures are absorbable, multifilament, synthetic, coated, sterile surgical sutures which are composed of polyglycolic acid. Katsan PGA sutures provide high tensile strength, high knot safety and lower suture memory.

Suture Characteristics	Multifilament, synthetic, absorbable
Chemical Structure	100% Polyglycolic Acid, synthetic, absorbable, braided surgical suture
Coating	Polycaprolactone and Calcium Stearate
Color	Violet
Wound Support	~ 30 days
Absorption	~ 60-90 days
Tensile Strength	2 nd week ~ 70% 3 rd week ~ 40%-50% wound support
USP Range	6/0 - 3
Sterilization	EO (Ethylene Oxide)
Product Characteristics	Excellent tensile strength, excellent knot tying, minimum tissue reaction.
Packaging	In aluminum foil packages with needle or without needle
Needle Types	Taper Point, Reverse Cutting, Cutting Edge, Taper Cut, Blunt Point, Diamond, Spatula, Straight

ALCASORB® RAPID

Polyglycolic Acid Rapid

Katsan PGA RAPID sutures are absorbable, multifilament, synthetic, coated, sterile surgical sutures which are composed of polyglycolic acid. Katsan PGA RAPID sutures are indicated for short term tissue operations and provide high tensile strength, high knot safety and lower suture memory.

Suture Characteristics	Multifilament, synthetic, absorbable
Chemical Structure	100% Polyglycolic Acid, synthetic, absorbable, braided surgical suture
Coating	Polycaprolactone and Calcium Stearate
Color	Undyed
Wound Support	~ 10-14 days
Absorption	~ 40-45 days
Tensile Strength	5 th day ~ 50% 14 th day ~ 0% wound support
USP Range	6/0 - 2
Sterilization	Gamma Irradiation
Product Characteristics	Excellent tensile strength, excellent knot tying, minimum tissue reaction.
Packaging	In aluminum foil packages with needle or without needle
Needle Types	Taper Point, Reverse Cutting, Cutting Edge, Taper Cut, Blunt Point, Diamond, Spatula, Straight



ALCALACTINE®

Poly [glycolic acid (90%)-co-lactic acid (10%)]

Katsan PGLA sutures are absorbable, multifilament, synthetic, coated, sterile surgical sutures which are composed of 90% glycolic acid and 10% lactic acid copolymerization. Katsan PGLA sutures provide high tensile strength, high knot safety and lower suture memory.

Suture Characteristics	Multifilament, synthetic, absorbable
Chemical Structure	Poly [glycolic acid (90%)-co-lactic acid (10%)] synthetic, absorbable, braided surgical suture
Coating	Poly (glycolide-co-L-lactide) and Calcium Stearate
Color	Violet
Wound Support	~ 30 days
Absorption	~ 56-70 days
Tensile Strength	2 nd week ~ 75% 3 rd week ~ 40%-50% wound support
USP Range	6/0 - 2
Sterilization	EO (Ethylene Oxide)
Product Characteristics	Excellent tensile strength, excellent knot tying, minimum tissue reaction.
Packaging	In aluminum foil packages with needle or without needle
Needle Types	Taper Point, Reverse Cutting, Cutting Edge, Taper Cut, Blunt Point, Diamond, Spatula, Straight

ALCALACTINE® RAPID

Poly [glycolic acid (90%)-co-lactic acid (10%)] Rapid

Katsan PGLA RAPID sutures are absorbable, multifilament, coated, sterile surgical sutures which are composed of 90% glycolic acid and 10% lactic acid copolymerization. Katsan PGLA RAPID sutures are indicated for short term tissue operations and provide high tensile strength, high knot safety and lower suture memory.

Suture Characteristics	Multifilament, synthetic, absorbable
Chemical Structure	Poly [glycolic acid (90%)-co-lactic acid (10%)] synthetic, absorbable, braided surgical suture
Coating	Poly (glycolide-co-L-lactide) and Calcium Stearate
Color	Undyed
Wound Support	~ 10-14 days
Absorption	~ 40-45 days
Tensile Strength	5 th day ~ 50% 14 th day ~ 0% wound support
USP Range	6/0 - 2
Sterilization	Gamma Irradiation
Product Characteristics	Excellent tensile strength, excellent knot tying, minimum tissue reaction.
Packaging	In aluminum foil packages with needle or without needle
Needle Types	Taper Point, Reverse Cutting, Cutting Edge, Taper Cut, Blunt Point, Diamond, Spatula, Straight

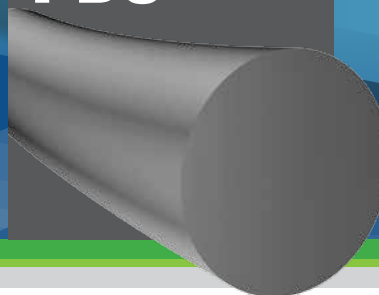
Absorbable Sutures

- Monofilament
- Synthetic Absorbable

PGCL



PDO



ALCALACTONE®

Poly [glycolic acid (75%)-co-caprolactone (25%)]

Katsan PGCL sutures are absorbable, monofilament, synthetic, sterile surgical sutures which are composed of Poly (glycolide (75%)-co-caprolactone (25%)). Katsan PGCL sutures provide high tensile strength, high knot safety and lower suture memory.

Suture Characteristics	● Monofilament, synthetic, absorbable
Chemical Structure	● Poly [glycolic acid (75%)-co-caprolactone (25%)] synthetic, absorbable, surgical suture
Coating	● -
Color	● Violet
Wound Support	● ~ 21 days
Absorption	● ~ 90-120 days
Tensile Strength	● 1 st week ~ 60%-70% 2 nd week ~ 30%-40% wound support
USP Range	● 6/0 - 2
Sterilization	● EO (Ethylene Oxide)
Product Characteristics	● Excellent tensile strength, excellent knot tying, minimum tissue reaction.
Packaging	● In aluminum foil packages with needle or without needle
Needle Types	● Taper Point, Reverse Cutting, Cutting Edge, Taper Cut, Blunt Point, Diamond, Spatula, Straight

ALCADINONE®

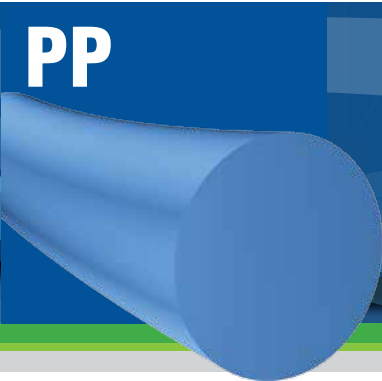
Polydioxanone

Katsan PDO sutures are absorbable, monofilament, synthetic, sterile surgical sutures which are composed of p-dioxanone. Katsan PDO sutures provide high tensile strength, high knot safety and lower suture memory.

Suture Characteristics	● Monofilament, synthetic, absorbable
Chemical Structure	● Polydioxanone, synthetic, absorbable, monofilament surgical suture
Coating	● -
Color	● Violet
Wound Support	● ~ 60 days
Absorption	● ~ 180-210 days
Tensile Strength	● 2 nd week ~ 75% 4 th week ~ 50%-60% wound support
USP Range	● 6/0 - 2
Sterilization	● EO (Ethylene Oxide)
Product Characteristics	● Excellent tensile strength, excellent knot tying, minimum tissue reaction.
Packaging	● In aluminum foil packages with needle or without needle
Needle Types	● Taper Point, Reverse Cutting, Cutting Edge, Taper Cut, Blunt Point, Diamond, Spatula, Straight

Non-Absorbable Sutures

- Monofilament
- Synthetic Non-Absorbable



ALCALENE® Polypropylene

Katsan PP sutures are non-absorbable, monofilament, synthetic, sterile surgical sutures which are composed of polypropylene. Katsan PP sutures provide high tensile strength, knot safety and lower suture memory.

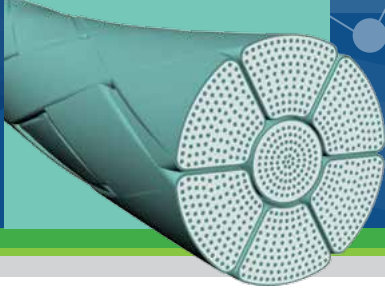
Suture Characteristics	● Monofilament, synthetic, non-absorbable
Chemical Structure	● Polypropylene
Coating	● -
Color	● Blue
Wound Support	● Loss over years
Absorption	● -
Tensile Strength	● -
USP Range	● 6/0 - 2
Sterilization	● EO (Ethylene Oxide)
Product Characteristics	● Excellent tensile strength, excellent knot tying, minimum tissue reaction.
Packaging	● In sterile packages with needle or without needle
Needle Types	● Taper Point, Reverse Cutting, Cutting Edge, Taper Cut, Blunt Point, Diamond, Spatula, Straight

ALCAMIDE® Polyamide

Katsan PA sutures are non-absorbable, monofilament, synthetic, sterile surgical sutures which are composed of polyamide. Katsan PA sutures provide high tensile strength, knot safety and lower suture memory.

Suture Characteristics	● Monofilament, synthetic, non-absorbable
Chemical Structure	● Polyamide
Coating	● -
Color	● Blue
Wound Support	● Loss over years
Absorption	● -
Tensile Strength	● -
USP Range	● 6/0 - 2
Sterilization	● EO (Ethylene Oxide)
Product Characteristics	● Excellent tensile strength, excellent knot tying, minimum tissue reaction.
Packaging	● In sterile packages with needle or without needle
Needle Types	● Taper Point, Reverse Cutting, Cutting Edge, Taper Cut, Blunt Point, Diamond, Spatula, Straight

SILK



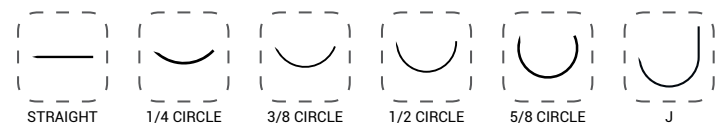
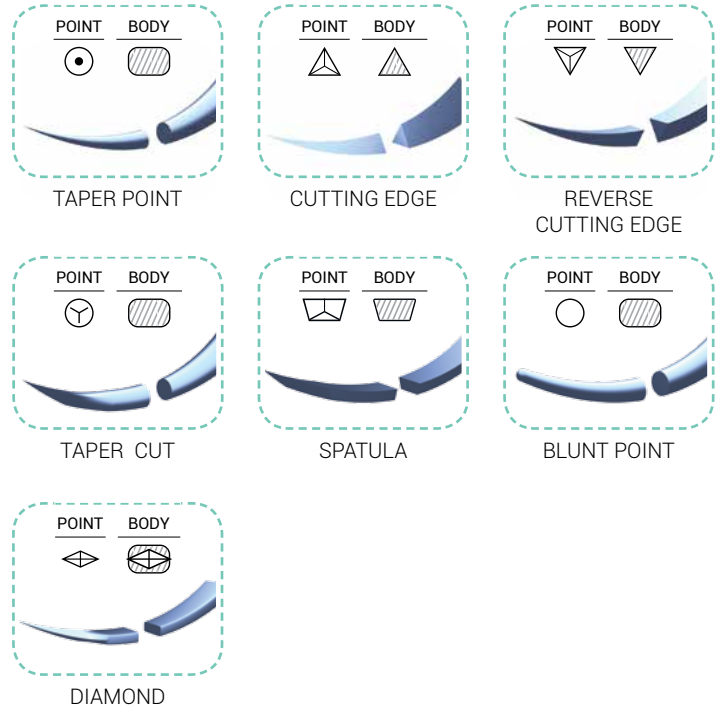
ATRAUMATIC NEEDLE TYPES

ALCASILK®

Silk

Katsan SILK sutures are non-absorbable, multifilament, natural, coated, sterile surgical sutures. Katsan SILK sutures provide high tensile strength high knot safety and lower suture memory.

Suture Characteristics	● Multifilament, natural, non-absorbable
Chemical Structure	● Silk
Coating	● Wax
Color	● Black
Wound Support	● Loss over years
Absorption	● -
Tensile Strength	● -
USP Range	● 6/0 - 2
Sterilization	● EO (Ethylene Oxide)
Product Characteristics	● Excellent tensile strength, excellent knot tying, minimum tissue reaction.
Packaging	● In sterile packages with needle or without needle
Needle Types	● Taper Point, Reverse Cutting, Cutting Edge, Taper Cut, Blunt Point, Diamond, Spatula, Straight



Areas of Usage

Plastic surgery, urology, gastrointestinal surgery, skin closure, orthopedic surgery, cholecystectomy, hernia, laparoscopic incisions, peritoneum, fascia, ligation, general tissue approximation, emergency surgery, oral surgery, episiotomy, pediatric surgery, minor surgical procedures, subcutaneous, gastric surgery, intestine, colon, vesica urinaria, vaginal canal, uterus, etc.

PRODUCT CODING SCHEME

CODE	SUTURE TYPE
A	ALCASORB®
B	ALCASORB® RAPID
C	ALCALACTINE®
D	ALCALACTINE® RAPID
E	ALCASILK®
F	ALCALENE®
G	ALCALACTONE®
H	ALCADINONE®
K	ALCAMIDE®

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

INDICATING LENGTH OF THE NEEDLE

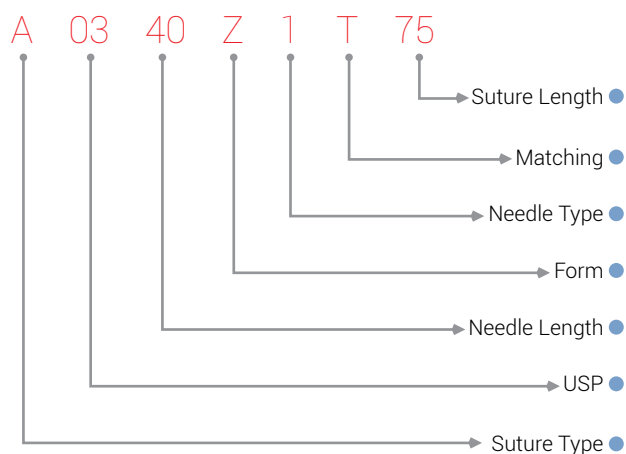
CODE	FORM
Z	1/2
V	3/8
U	5/8
R	1/4
J	J
S	STRAIGHT

CODE	NEEDLE TYPE
1	TAPER POINT
2	BLUNT POINT
3	CUTTING EDGE
4	REVERSE CUTTING EDGE
5	TAPER CUT
6	DIAMOND
7	SPATULA

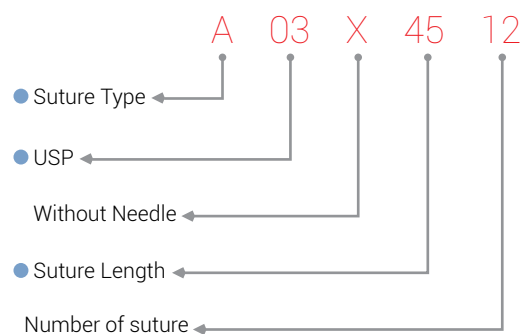
CODE	MATCHING
T	SINGLE
F	DOUBLE
P	LOOP

INDICATING LENGTH OF THE SUTURE

PRODUCT CODING OF SUTURES WITH NEEDLE



PRODUCT CODING OF SUTURES WITHOUT NEEDLE



Coding Example

With Needle : **A0340Z1T75** (ALCASORB®, USP 0, 40mm, 1/2 Taper Point, 75cm)

Without Needle : **A03X4512** (ALCASORB®, USP 0, without needle, 45cm, 12 Pcs)



Distribution Network



Distribution Network

Katsan A.S. is operating all over the Turkey and abroad, both government and private associations within more than 40 distributors engaged in solution partnerships.

Katsan A.S. continues its exports to Turkic Republics, Africa, Europe and the Middle East as one of the leading manufacturers of surgical suture threads in this region.

In veterinary fields, Katsan A.S. presents its products to veterinary doctors and veterinary warehouses through all over the Turkey.

www.katsanas.com
info@katsanas.com



Quality Policy



Katsan A.S. Quality Policy

Starting more than 40 years experience in the production of surgical sutures, our company, by creating its own R & D department to develop new products and so that aims to eliminate dependence on foreign countries in health sector.

Katsan A.S. adopted a policy of continuous quality improvement by performing the surgical suture processes starting from raw materials to production in our company, and with the help of produced and will be produced quality products, and through good customer relations. We will ensure the continuity of the quality of our products by producing our products in accordance with national and international standards, and fulfilling the legal requirements and customer requests. Check out our ISO 13485 certificates, CE certification of our products, and Free Sale Certificate of Ministry of Health of T.R.

Warranty of Quality...



Experience in Surgical Sutures
Since 1976...

KATSAN KATGUT SANAYI VE TICARET A.S.

1571 Sokak No: 22 35110 Cinarli - IZMIR - TURKEY
Tel: + 90.232.486 09 10 - 486 11 85 - 486 01 31 • Faks: +90.232.486 33 79
e-mail: info@katsanas.com • www.katsanas.com