

INTERACTIVE EDITION

# Surgical Sutures Catalog 2024/2025



## NYLON SUTURE



Made from Nylon - Polyamide 6/66, non-absorbable material that becomes encapsulated by connective tissue over time. The strength of the sutures varies according to their size, which can be determined by a uniformly applied number. The smooth soft surface of the Nylon Sutures allows them to slip easily through the tissues, as well as simple removal of the stitches. Being a monofilament, the accumulation of bacterial plaque in the sutures is also drastically reduced.

CODE	UPS RANGE	SIZE
NY30	3-0	30" / 75cm 2.0 metric
NY40	4-0	30" / 75cm 1.5 metric
NY50	5-0	30" / 75cm 1.0 metric

### Features:

- Flexible, simple to handle and knot – smooth passage through tissue.
- Exceptional for skin closures.
- Minimal tissue reactivity.
- EO (Ethylene Oxide) sterilization.

## SILK SUTURE



Non-absorbable surgical suture composed of an organic protein called Fibroin. This protein is received from the domesticated species *Bombyx mori* (B. More) from the family Bombycidae. The high technology applied at braiding this suture guarantees a compact thread with high tensile strength, which provides a longer period of tissue support. It is, possibly, the most comfortable suture material to handle and knot. Silk threads are treated with Silicone to reduce its capillarity and are stained black to promote their visibility.

CODE	UPS RANGE	SIZE
SK30	3-0	30" / 75cm 2.0 metric
SK40	4-0	30" / 75cm 1.5 metric
SK50	5-0	30" / 75cm 1.0 metric

### Features:

- High strength, tension maintained over time.
- Exceptional for skin closures.
- Minimal tissue reactivity.
- EO (Ethylene Oxide) sterilization.

## CHROMIC GUT SUTURE



Absorbable and coated, surgical suture, treated with a chromic salt solution for greater resistance to absorption. The Chromic Gut Suture is composed of purified connective tissue (mostly collagen) derived from the serosal layer of bovine intestines. Chromic Catgut Surgical Sutures are indicated for use in general soft tissue approximation and/or ligation, including use in ophthalmic procedures, but not for use in cardiovascular and neurological tissues provides wound support for 14-21 days. Complete absorption is accomplished by a proteolytic enzymatic digestive process within 90 days.

### Features:

- Flexible, simple to handle and knot – smooth passage through tissue.
- Smooth and uniform surface, good pliability, excellent knot-security.
- High tensile strength, exceeding USP requirements.
- EO (Ethylene Oxide) sterilization.

CODE	UPS RANGE	SIZE
CG30	3-0	30" / 75cm 2.0 metric
CG40	4-0	30" / 75cm 1.5 metric
CG50	5-0	30" / 75cm 1.0 metric

## PLAIN GUT SUTURE



Non-coated, absorbable surgical suture, composed of purified connective tissue (mostly Collagen) derived from the serosal layer of bovine intestines.

Plain Catgut Surgical Sutures are indicated for use in general soft tissue approximation and/or ligation, including use in ophthalmic procedures, but not for use in cardiovascular and neurological tissues.

Provides wound support for 7-10 days.

Complete absorption is accomplished by a proteolytic enzymatic digestive process within 70 days.

### Features:

- Flexible, simple to handle and knot – smooth passage through tissue.
- Smooth and uniform surface, good pliability, excellent knot-security.
- High tensile strength, exceeding USP requirements.
- EO (Ethylene Oxide) sterilization.

CODE	UPS RANGE	SIZE
PC30	3-0	30" / 75cm 2.0 metric
PC40	4-0	30" / 75cm 1.5 metric
PC50	5-0	30" / 75cm 1.0 metric

## PGA (POLYGLYCOLIC ACID) SUTURE



Absorbable braided synthetic homopolymer of glycolic acid. Composed of a Polyglycolic acid coated with polycaprolactone and calcium stearate. Since polyglycolic acid is not a naturally occurring organic substance, it elicits a much less inflammatory response. Synthetic suture means that this suture is perfectly compatible with every patient and will not provoke any negative body reactions. The Sutures possess great tensile strength and excellent knot security. After two weeks of implantation, 85% of the initial tensile strength remains with polyglycolic acid suture. Provides wound support for 30 days. Absorption by hydrolysis complete between 60 and 90 days.

### Features:

- Excellent elasticity.
- Very low tissue reaction, due to its synthetic nature.
- Simple passage through tissues due to its low frictional coefficient.
- Excellent histocompatibility.

CODE	UPS RANGE	SIZE
PA30	3-0	30" / 75cm 2.0 metric
PA40	4-0	30" / 75cm 1.5 metric
PA50	5-0	30" / 75cm 1.0 metric

## PGA RAPID (POLYGLYCOLIC ACID) SUTURE



Absorbable, multifilament, synthetic, coated, sterile surgical sutures which are composed of 90% Glycolic Acid and 10% Lactic Acid copolymerization coated with Polycaprolactone and Calcium stearate. Synthetic suture means that this suture is perfectly compatible with every patient and will not provoke any negative body reactions. Since Polyglycolic Acid is not a naturally occurring organic substance, it elicits a much less inflammatory response. The Sutures possess great tensile strength and excellent knot security. Provides wound support for 10-14 days. After 5 days of implantation, 50% of the initial tensile strength remains. Absorption by hydrolysis is complete between 40 and 45 days.

### Features:

- Fast Absorption and excellent elasticity.
- Very low tissue reaction, due to its synthetic nature.
- Simple passage through tissues due to its low frictional coefficient.
- Excellent histocompatibility.

CODE	UPS RANGE	SIZE
PRA30	3-0	30" / 75cm 2.0 metric
PRA40	4-0	30" / 75cm 1.5 metric
PRA50	5-0	30" / 75cm 1.0 metric

## POLYDIOXANONE PLX SUTURE



Absorbable monofilament sutures, composed of a synthetic homopolymer of polyester, poly (p-dioxanone). GDT PLX Sutures retains 50% of its tensile strength - the longest period of wound support, as compared to other absorbable sutures, by the end of the 4th week and it's progressively absorbed in 180 days. Polydioxanone sutures retain about 70% of the initial tensile strength after 2 weeks, 50% of the initial tensile strength after 4 weeks, and 25% after 6 weeks of implantation.

### Features:

- Great knots security.
- Easy passage through tissues.
- No tissue reactivity - it's one of the safest materials to be implanted in the body.
- Unique tensile strength, great for soft tissue management and GTR.
- Excellent histocompatibility and predictable absorption rate.

CODE	UPS RANGE	SIZE
PD30	3-0	30" / 75cm 2.0 metric
PD40	4-0	30" / 75cm 1.5 metric
PD50	5-0	30" / 75cm 1.0 metric

## POLYTETRAFLUOROETHYLENE PTFE SUTURE



Non-absorbable and sterile surgical monofilament suture composed of 100% polytetrafluoroethylene thread and a high-grade needle. The needle is made of imported heat-treated laser-sharpened Stainless Steel. PTFE Sutures contain no colorants or any other artificial additives. The sutures are soft and smooth, which gives it the advantage of moving smoothly between the tissues without trauma to the patient as well as preventing bacterial colonization. PTFE Sutures do not irritate the tissues and firmly support tissue during the healing process.

### Features:

- Great knots security.
- Easy knot placement.
- Biologically inert synthetic sutures.
- Very smooth surface, atraumatic tissue passing.
- No tissue reactivity.
- Excellent histocompatibility and predictable absorption rate.

CODE	UPS RANGE	SIZE
PT20	2-0	30" / 75cm 3.0 metric
PT30	3-0	30" / 75cm 2.0 metric
PT40	4-0	30" / 75cm 1.5 metric
PT50	5-0	30" / 75cm 1.0 metric

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