Butterfly
SURGICAL SOLUTIONS

SUTURE PROGRAM



Sutures at 360°

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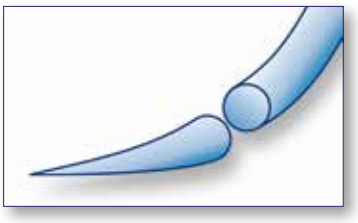
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Sutures included in the wide program distributed by Butterfly Italia have been especially designed for the dental field, developed and improved over the years thanks to the advice and suggestions of key Opinion Leaders in surgery and implantology.
These sutures meet specific criteria, designed and optimized for dental surgery, regarding the relationship between needle and filament.

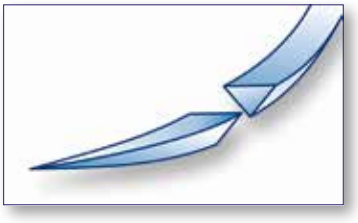
NEEDLES

● ROUND Section (HR)



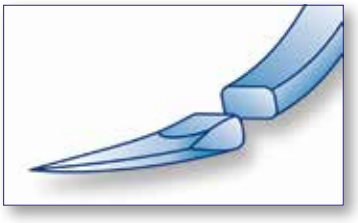
Mainly used for delicate and thin tissues, it gently penetrates the tissue without causing damage.
This needle is used exclusively with a 1/2 circle (HR) shape.

▼ REVERSE CUTTING Section (DS or HS)



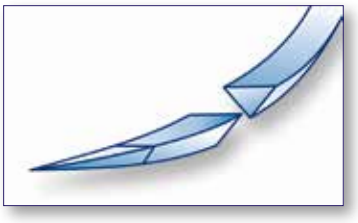
This needle is also known as the "triangular" needle due to its sharp edges on both the sides and the tip. It is ideal for working with tissues of varying consistencies. The needle's strength ensures precision and optimal tissue penetration. It is particularly indicated for incising the periosteum and thick mucosal tissues.
Available in widths: 3/8 circle (DS) and 1/2 circle (HS).

⊕ TAPERCUT Section (DRT or HRT)



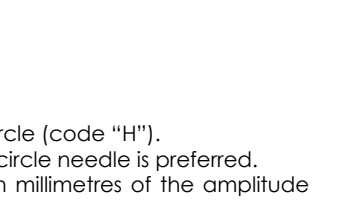
A highly appreciated needle, particularly suited for oral surgery. The unique shape of the Tapercut needle offers dual benefits: it provides excellent cutting capability through the tip while ensuring smooth tissue penetration along the body, reducing the risk of lacerations. These features make it a preferred choice in dental procedures.

▽ MICRO CUTTING Section (DSM)



This specialized needle features a hand-sharpened micro-cut tip, making it perfect for periodontics and mucogingival surgeries. The DSM needle is the sharpest in the range, ensuring precise, clean cuts. Its compact size and unique geometry provide exceptional precision and tissue penetration, making it highly valued in microsurgery and minimally invasive procedures.
The DSM Black version stands out as the top-of-the-line needle, offering excellent visibility, even in hard-to-see areas like the oral cavity.

B = BLACK NEEDLE



Our needles are designed with a unique steel coating, giving them an innovative black finish. Specifically developed for dental surgery, these needles offer high visibility and an ergonomic design that enhances ease of use and handling.

NEEDLE CODING

In our suture programme, the code of each needle defines two basic features: type/size of needle width and shape of needle section, followed by the needle length in millimeters.
Needles for use in dentistry are of two kinds according to the width: 3/8 circle (code "D") and 1/2 circle (code "H").
The 3/8 circle needles are being used in wide operation sites while, in areas of difficult access a 1/2 circle needle is preferred.
The sum of the abbreviations forming these two parameters, associated with the measurement in millimetres of the amplitude diameter, form a detailed description of the needle type.
There's a number of different needle sizes to choose from. In general, the most appreciated length is 17-18 mm; in extractive surgery, length 22-26 mm are more suitable; many periodontologists desire smaller needles, up to 10 mm.

The abbreviations that distinguish the sections of Butterfly Italia needles are:

R	=	ROUND
S	=	REVERSE CUTTING
RT	=	TAPERCUT
SM	=	MICRO CUTTING

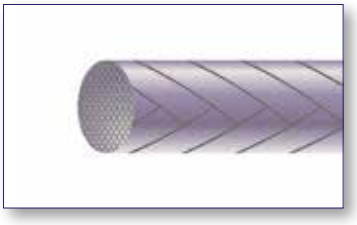
Example:

Needle 3/8 circle, reverse cutting, 18mm

D	S	18
Needle width	Needle section	Needle lenght

FLYSORB

Polyglactin 910 Braided Multifilament, Purple, Resorbable, Sterile



Flysorb sutures are composed of a copolymer made from 90% glycolide and 10% lactic acid, coated with a Polyglactin 370 blend (30% glycolide, 70% lactic acid) to enhance flow and ease of use. The advanced extrusion of the polyglactin molecule, combined with a proprietary braiding and coating process, provides Flysorb sutures with excellent tensile strength during critical healing periods, secure knot retention, exceptional handling, and a predictable absorption profile.

Flysorb sutures progressively lose tensile strength and are fully absorbed through hydrolysis.

Indications: Suitable for all oral surgery applications, particularly for tissue grafting, resorbable membrane stabilization, as well as implant surgery and periodontics.

Advantages: Low tissue reaction, excellent handling, strong knot security.

Absorption Timeline: Fully absorbed within 8–10 weeks.

Residual Tensile Strength: 75% at 14 days; 50% at 21 days.

Available Caliber: From 3/0 to 8/0.

Code	Needle	USP Caliber	Thread Length	Pcs/Box
FS - 4302	DS18	3-0	75 cm.	24 pcs.
FS - 4404-B	DSM16 black	4-0	75 cm.	24 pcs.
FS - 4507-B	DSM16 black	5-0	70 cm.	24 pcs.
FS - 4508-B	DSM12 black	5-0	55 cm.	24 pcs.
FS - 4612-B	DSM13 black	6-0	70 cm.	24 pcs.
FS - 4609-B	DSM10 black	6-0	55 cm.	24 pcs.
FS - 4710-B	DSM8 black	7-0	55 cm.	24 pcs.
FS - 4811-B	DSM8 black	8-0	55 cm.	24 pcs.



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FLYSORB MONO

Polyglecaprone Monofilament, Purple, Fast-Absorbing, Sterile

Flysorb Mono sutures are made from a polymer of glycolide and caprolactone. The suture's tensile strength gradually decreases, and complete absorption occurs through hydrolysis.

Flysorb Mono is characterized by optimal elasticity, excellent flow, and durability. It is also soft, easy to handle, and provides secure knotting. The purple color ensures good visibility during procedures.

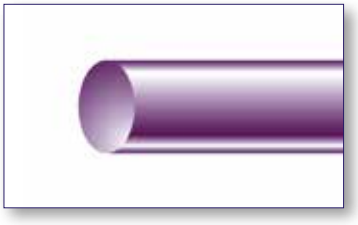
Indications: Suitable for all applications in oral surgery, especially tissue grafting, stabilization of resorbable membranes, implant surgery, periodontology, and drainage incisions.

Absorption Timeline: Fully absorbed within 10–12 weeks.

Residual Tensile Strength: 70% at 7 days; 40% at 14 days.

Patient Tolerability: Highly tolerated by patients.

Available Caliber: From 4/0 to 6/0.



Code	Needle	USP Caliber	Thread Length	Pcs/Box
FM - 5402-B	DSM16 black	4-0	75 cm.	24 pcs.
FM - 5504-B	DSM16 black	5-0	55 cm.	24 pcs.
FM - 5505-B	DSM13 black	5-0	55 cm.	24 pcs.
FM - 5610-B	DSM15 black	6-0	55 cm.	24 pcs.
FM - 5609-B	DSM13 black	6-0	55 cm.	24 pcs.
FM - 5606-B	DSM10 black	6-0	55 cm.	24 pcs.



Flysorb Mono application examples

Images by courtesy of:
Dr. R. Abundo - Torino


initial phase


after surgery


control at 15 days


healing at 30 days

FLYSORB FAST

Polyglactin 910 Braided Multifilament, Colorless, Rapidly Resorbable, Sterile



Flysorb Fast sutures are made from a copolymer of 90% glycolide and 10% lactic acid. The processing of the polyglactin molecule gives these sutures a predictable, fast resorption profile while maintaining tensile strength during critical healing periods. Flysorb Fast also offers excellent knot security and superior handling.

The sutures gradually lose tensile strength and are fully absorbed through hydrolysis.

Indications: Suitable for all oral surgery applications, particularly in extractive surgery and cases where extended support is not necessary.

Advantages: Minimal tissue reaction, excellent handling, and secure knot-holding.

Absorption Timeline: Fully absorbed within 5–6 weeks.

Residual Tensile Strength: 50% at 5 days; 0% at 10–14 days.

Available Caliber: From 3/0 to 5/0.

Code	Needle	USP Caliber	Thread Length	Pcs/Box
FF - 6301	DS18	3-0	75 cm.	24 pcs.
FF - 6404-B	DSM18 black	4-0	75 cm.	24 pcs.
FF - 6402-B	DSM16 black	4-0	75 cm.	24 pcs.
FF - 6504-B	DSM16 black	5-0	55 cm.	24 pcs.



SUPRAMYD

Multifilament Polyamide, Black, Non-Absorbable, Sterile Suture

Supramyd by Butterfly Italia is a suture with properties that bridge the gap between mono- and multifilaments. Braided and coated, this inert, waterproof suture offers excellent handling, hygiene, and ease of knotting.

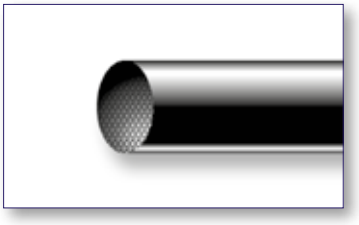
Due to its internal structure and coating, Supramyd functions as a pseudo-monofilament, combining flexibility with enhanced knot security. The black color ensures high visibility during procedures. Its softness and easy handling make Supramyd an ideal transitional suture between braided filaments and monofilaments.

Indications: Suitable for all applications in oral surgery, especially in implantology and for suturing in infected areas.

Advantages: Superior hygiene with minimal tissue reaction, excellent handling and knot strength, high fluidity, and low elastic memory. Highly tolerated by patients.

Available Caliber: From 3/0 to 4/0.

Code	Needle	USP Caliber	Thread Length	Pcs/Box
SU-3321	DS18	3-0	75 cm.	36 pcs.
SU-3422	DS16	4-0	75 cm.	36 pcs.





Supramyd
application examples

Images by courtesy of:
Dr. E. Vaia - Napoli







MONOMYD

Monofilament Polyamide, Blue, Non-Absorbable, Sterile Suture

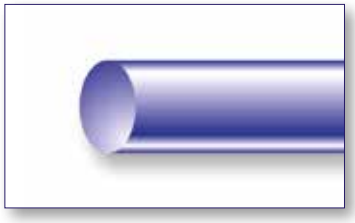
Monomyd is a polyamide (Nylon 6.0) monofilament uniquely suited for dental surgery, offering excellent handling, softness, and biocompatibility-qualities that are uncommon in traditional monofilaments.

The smooth, uniform surface of Monomyd facilitates easy passage through tissues. With its high water resistance, biocompatibility, and minimal tissue reactivity, Monomyd significantly reduces inflammatory responses and maintains stability, resisting enzymatic degradation in the oral cavity. Its low plaque adhesion rate makes it one of the most hygienic suture options available, allowing for potentially extended removal times compared to conventional sutures. The blue color also ensures high visibility during procedures.

Indications: Suitable for periodontal and implant surgery, release incisions, microsurgery, suturing of infected sites, and for fixation and stabilization of absorbable membranes.

Advantages: Exceptional smoothness, hygiene, minimal tissue reaction, no capillarity, excellent handling and knot security, and low elastic memory.

Available Caliber: From 3/0 to 7/0.



Code	Needle	USP Caliber	Thread Length	Pcs/Box
MM-2316	DS18	3-0	75 cm.	36 pcs.
MM-2417-B	DSM16 black	4-0	75 cm.	36 pcs.
MM-2524-B	DSM16 black	5-0	60 cm.	36 pcs.
MM-2527-B	DSM13 black	5-0	60 cm.	36 pcs.
MM-2626-B	DSM13 black	6-0	60 cm.	36 pcs.
MM-2620	DS10	6-0	55 cm.	36 pcs.
MM-2725	DS10	7-0	55 cm.	36 pcs.



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Monomyd application examples

Images by courtesy of:
Dr. M. Perelli - Torino


initial phase

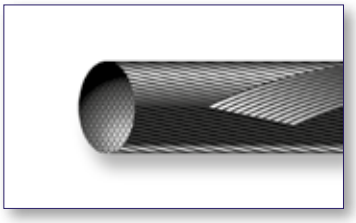

after surgery


control at 15 days


healing at 1 year

SILK

Natural Braided Silk, Silicone-Coated, Black, Non-Absorbable, Sterile Suture



Butterfly Italia's silk sutures are especially suited for use in moist environments, such as the oral cavity, thanks to carefully selected raw materials and a qualified production process. These features ensure a particularly uniform caliber, enhanced resistance, and superior knot security and strength.

The specialized braiding technique, combined with a tight weave and silicone coating, allows Butterfly Italia's silk sutures to pass through tissue smoothly and atraumatically, offering excellent handling, reduced capillarity, and minimal tissue reaction.

Indications: General oral surgery.

Advantages: High knot strength, easy handling, low plaque adhesion, and minimal tissue reaction.

Available Caliber: From 2/0 to 5/0.

Code	Needle	USP Caliber	Thread Length	Pcs/Box
SE-1201	HR26	2-0	75 cm.	36 pcs.
SE-1202	HS23	2-0	75 cm.	36 pcs.
SE-1204	DS18	2-0	75 cm.	36 pcs.
SE-1306	HRT17	3-0	75 cm.	36 pcs.
SE-1307	DRT17	3-0	75 cm.	36 pcs.
SE-1308-SB	DSM18 black	3-0	75 cm.	36 pcs.
SE-1409-SB	DSM18 black	4-0	75 cm.	36 pcs.
SE-1411-B	HRT17 black	4-0	75 cm.	36 pcs.
SE-1412-B	HS18 black	4-0	75 cm.	36 pcs.
SE-1413-B	DSM16 black	4-0	55 cm.	36 pcs.
SE-1515-B	DSM13 black	5-0	55 cm.	36 pcs.



BUTTERFLY ITALIA SURGICAL INSTRUMENTS

Butterfly Italia's surgical instruments are designed in collaboration with leading professionals and opinion leaders in the dental and maxillofacial fields. In addition to their proprietary designs, Butterfly Italia also distributes a curated selection of high-quality surgical instruments from internationally renowned brands.

Below is a selection of popular instruments that Butterfly Italia has innovatively adapted. The full Butterfly Italia catalog comprises thousands of additional items.

SURGICAL TWEEZERS

Butterfly "CUSHING" Tweezers

These carbide tweezers, measuring 17 cm, are designed for precise and effective tissue handling. Available in two models:

- Anatomical Version (04-CA03/17): Provides secure grip without causing trauma.
- Brown Cushing Version (04-CA04/17): Allows effective flap gripping and retraction, eliminating the trauma typically caused by toothed surgical tweezers.





Code 04-CA03/17
(anatomical)



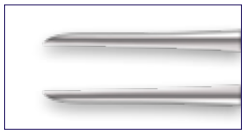
Code 04-CA04/17
(Brown Cushing)

Butterfly "ADSON" Tweezers

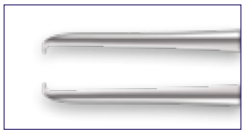
These innovative tweezers are specifically designed for mucogingival surgery and are available in two 14 cm models:

- Surgical 1x2 Version (04-SS02/14): Features a microtraumatic grip for added safety.
- Anatomical Version (04-SS01/14): Equipped with a cross-patterned working area to provide a precise and secure grip, even on thin or delicate tissues.





Code 04-SS01/14 (anatomical)



Code 04-SS02/14 (surgical)

BUTTERFLY ELEVATORS

Butterfly Italia's periosteal elevators are crafted from high-quality surgical steel, designed with an ergonomic handle to enhance sensitivity and ensure a lightweight, balanced feel during use.

Code 02-SS03/19 - BUTTERFLY FREER

The Butterfly Freer periosteal elevator features a working end with both a sharp cutting edge and a rounded end. The two ends have a working width of 4.5 mm. The cutting end is designed with two wings, allowing the surgeon to feel and identify them easily during the procedure by touch. The instrument's length and rigidity offer excellent sensitivity and maneuverability.







Code 02-SS04/19 - BUTTERFLY WOODSON

This periosteal elevator is specifically designed for oral surgery. It features a thin, tapered end for the delicate dissection of papillae and flaps, while the curved working end is ideal for use in the lingual and palatal areas. It is also well-suited for dissection in the maxillary sinus region.







Code 02-SS01/19 - EXAMPLE

This combined periosteal elevator features one flat end, ideal for sliding along bone surfaces, and a lanceolate, slightly curved, sharp end, designed for the dissection of tissues with particularly resistant adhesion.







Code 02-SS02/19 - MINIMOLT

The Minimolt is a minimally invasive evolution of the Molt elevator. It combines a round, slightly curved end with a flat, angled, sharp end. The unique shape and dimensions of the working ends make it especially suited for the delicate dissection of papillae and other minimally invasive surgical procedures, significantly reducing post-operative swelling and edema.



BLADE HOLDER

Code 02-SS04/14 - Butterfly OCTAGONAL Blade Holder

The Butterfly Octagonal scalpel handle features an octagonal, slightly tapered design, ensuring a comfortable grip and excellent sensitivity and precision. The lightweight, well-balanced structure makes it particularly appreciated by surgeons for its ease of use and handling.



SUTURE SCISSORS

Code 01-SS02Plus/11 - Scissors EASY CUT

Easy Cut scissors are specifically designed for cutting and removing sutures and for precise tissue dissection in periodontology. With a length of 11.5 cm, these scissors feature thin, sharp ends that are ideal for small-caliber sutures and for their removal in hard-to-reach areas.



NEEDLEHOLDER

To optimize suturing techniques, it's essential to pair the right suture with the proper surgical instrument. Needleholders are designed with specific grips based on the size and type of suture needle. Below are some of the most commonly used needleholders:

Code. 03-CA03/18 - Butterfly BARRAQUER (18 cm)

Extremely ergonomic and lightweight needle holder that provides excellent sensitivity to the operator during surgery, thanks to its round handle.

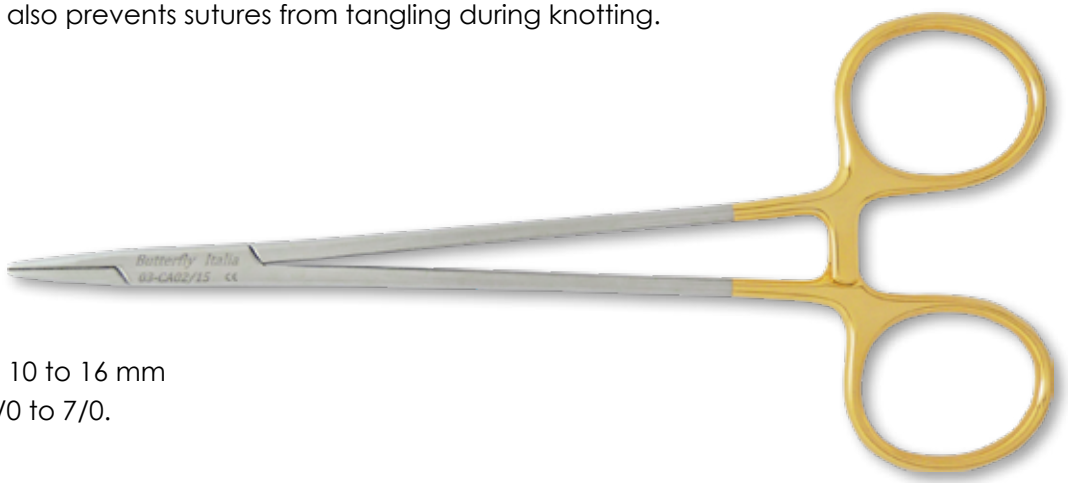
The instrument is available in a straight version, with a length of 18 cm and a smooth 0.8 mm working tip.



Suitable for needles from 8 to 13 mm
and sutures from 5/0 to 8/0.

Code 03-CA02/15 - Butterfly MICROVASCULAR Needleholder in Carbide (15 cm)

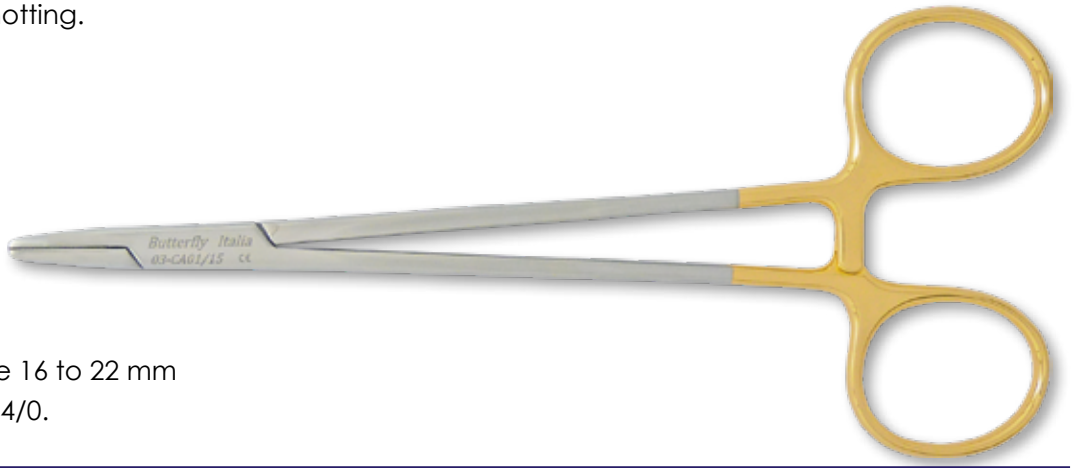
This microvascular needleholder is ideal for minimally invasive surgery and features carbide 7000 jaw grips. Lightweight, balanced, and easy to handle, it prevents needle rotation and sliding during use. The smooth design of the working part also prevents sutures from tangling during knotting.



Suitable for needles of size 10 to 16 mm
and suture calibers from 4/0 to 7/0.

Code 03-CA01/15 - Butterfly CRILE WOOD Needleholder in Carbide (15 cm)

A versatile needleholder, the Butterfly Crile Wood is designed for all types of sutures in the oral cavity. It is light, balanced, and easy to use, with carbide inserts for durability. The smooth working part prevents sutures from getting tangled during knotting.



Suitable for needles of size 16 to 22 mm
and suture calibers up to 4/0.

BUTTERFLY LANGENBECK RETRACTORS

An evolution of the classic Langenbeck retractors, the Butterfly Langenbeck retractors have been specially modified for maxillofacial dentistry. Their concave-convex section makes them thin, atraumatic, and balanced, while maintaining the necessary rigidity for effective use.

Available Sizes:

- Small Size (05-SS01/44) – Working part: 9x44 mm
- Medium Size (05-SS02/58) – Working part: 12x58 mm

  Medium size is available in the Classical version, as well as the Ramus version (05-SS03/58), which is designed for enhanced effectiveness in the mandibular area.



Code 05-SS01/44 (44 mm)



Code 05-SS02/58 (58 mm)



Code 05-SS03/58 (58 mm)



Code 05-SS01/44 (44 mm)



Code 05-SS02/58 (58 mm)



Code 05-SS03/58 (58 mm)

Butterfly
SURGICAL SOLUTIONS
when passion meets Dental surgery

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APPROVED Italian Excellence for Oral & Surgery Devices

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