

Sutures Pocket Guide















Product Information

B BRAUN
SHARING EXPERTISE



Complete Suture Range

Absorbable Suture Material

		Material	Coating
Monofilament			
Monosyn® Quick 		Glyconate, short-term absorbable	None
Monosyn® 		Glyconate, mid-term absorbable	None
MonoPlus® 		Polydioxanone, long-term absorbable	None
Monomax® 		Poly-4-hydroxybutyrate extra long-term absorbable	None
Braided			
Novosyn® 		Polyglactin 910, mid-term absorbable	Polyglactin 370 and calcium stearate
Novosyn® CHD 		Polyglactin 910, mid-term absorbable	Polyglactin 370, calcium stearate and chlorhexidine diacetate
Novosyn® Quick 		Polyglactin 910, short-term absorbable	Polyglactin 370 and calcium stearate

USP/metric	Tensile strength retention	Mass absorption
USP 6/0 to 1 metric 0.7 to 4	1 Day ~100 % 6-7 Days ~50 % 10 Days ~20-30 %	After 56 days
USP 6/0 to 2 metric 0.7 to 5	1 Day ~100 % 14 Days ~50 % 21 Days ~20 %	From 60 to 90 days
USP 7/0 to 2 metric 0.5 to 5	1 Day ~100 % 14 Days ~90 % 28 Days ~50 %	From 180 to 210 days
USP 2/0 to 1 metric 2 to 4	USP 2/0: 1 Month ~90 % 3 Months ~60 % 5 Months <25 % 7 Months ~0 % USP 1, 0: 1 Month ~90 % 3 Months ~70 % 5 Months ~60 % 7 Months ~50 %	Between 13 months and more than 36 months
USP 8/0 to 2 metric 0.4 to 5	1 Day ~100 % 14 Days ~75 % 21 Days ~40-50 % 28 Days ~25 %	From 56 to 70 days
USP 5/0 to 2 metric 1 to 5	1 Day ~100 % 14 Days ~75 % 21 Days ~40-50 % 28 Days ~25 %	From 56 to 70 days
USP 6/0 to 2 metric 0.7 to 5	1 Day ~100 % 5 Days ~50 % after 14 Days ~0 %	In approx. 42 days

Complete Suture Range







Non-Absorbable Suture Material

		Material	Coating	USP/metric
Monofilament				
Optilene® 		Polypropylene and polyethylene, non-absorbable	None	USP 10/0 to 2 metric 0.2 to 5
Dafilon® 		Polyamide 6/6.6 (dyed blue or un-dyed), Polyamide 6.6 (dyed black), non-absorbable	None	USP 11/0 to 5 metric 0.1 to 7
Elasyn® 		Polytetrafluoroethylene (PTFE), non-absorbable	None	USP 3/0 to 6/0 metric 2 to 0.7
Monofilament or twisted				
Steelex® Electrode Set 		Stainless steel, non-absorbable, twisted	Insulated with polyethylene	USP 3/0 to 0 metric 2 to 3.5
Steelex® Sternum Set 		Stainless steel, non-absorbable, monofilament	None	USP 1, 2, 4 to 7 metric 4 to 9

		Material	Coating	USP/metric
Pseudomonofilament				
Supramid		Polyamide 6/6.6, non-absorbable	None	USP 6/0 to 2 metric 0.7 to 5
				
Braided				
PremiCron®		Polyester, non-absorbable	Silicone	USP 6/0 to 5 metric 0.7 to 7
				
Dagrofil®		Polyester, non-absorbable	None	USP 6/0 to 3 metric 0.7 to 6
				
Silkam®		Natural silk, non-absorbable	Pure beeswax	USP 7/0 to 5 metric 0.5 to 7
				
Surgical Loop		Silicone, cotton, tube, braided tape	None	1.4 – 2.5 mm (silicone), 4 – 8 mm (cotton)
				

Complete Suture Range

Knotless Suture Material, Unidirectional and Bidirectional

		Material	Coating
Monofilament			
Symmcora® LONG 		Polydioxanone, long-term absorbable	None
Symmcora® MID 		Poly (glycolide-co- ϵ - caprolactone), mid-term absorbable	None
Symmcora® Permanent 		Polypropylene, non-absorbable	None

USP/metric	Tensile strength retention	Mass absorption
USP 4/0 to 2 metric 1.5 to 5	28 Days ~70 % 42 Days ~55 %	Within 180 to 210 days
USP 4/0 to 2 metric 1.5 to 5	7 Days ~50 % 14 Days ~20 %	Within 90 to 120 days
USP 4/0 to 2 metric 1.5 to 5	-	-

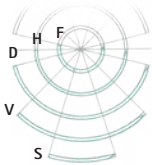




B. Braun Needle Nomenclature

A		B		C	
Needle angle of curvature		Body type		Point type	
S	1/8 circle	R	round body	N	blunt point
V	1/4 circle	S	cutting needle	S	sternum point
D	3/8 circle	G	trapezoidal micro engraved body	C	short cutting point
H	1/2 circle	L	lancet needle	M	micro-point
F	5/8 circle			MP	precision point
G	straight			m	micro needle
P	progressive curved			mV	micro vascular
J	hook			B	protection point
SK	ski needle				

Example:

H	R	C
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HRC 26b → 1/2 circle round bodied needle with short cutting point, 26 mm long, black.

Needle angle of curvature	Others
 <p>S 1/8 circle V 1/4 circle D 3/8 circle H 1/2 circle F 5/8 circle</p>	 <p>J Hook</p>  <p>P Progressive</p>  <p>G Straight</p>  <p>SK Ski</p>

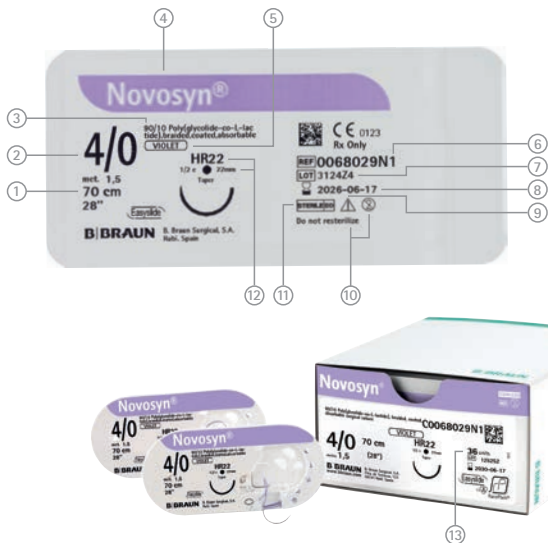
12	D	
Needle length	Remark	
This refers to the distance between the needle point and the needle end, measured along the length of the needle in mm	ff	extra thin bodied needle
	f	thin bodied needle
	s	heavy bodied needle
	ss	extra heavy bodied needle
	v	break-off needle
	b	black needle
26	b	

"Take off" removable needle

In order to remove the needle from the suture without the aid of scissors, one must pull the suture taut and secure and grasp the needle with

the needle-holder. With a straight tug of the needle holder, the needle can be removed from the suture fiber.

Box and Peel Information



Description	
1	Length of the suture
2	USP and EP size
3	Description of the suture
4	Product name
5	Color of thread
6	Article number
7	Batch code
8	Expiry date (year/month)
9	Observe the instructions for use
10	Do not re-sterilize, single use product
11	Sterilization method
12	Needle code
13	Number of units*

* Box is available in following units: M=6 units, G=12 units, B=24 units, C=36 units

Handling Steps

RacePack® – Innovative Suture Packaging System by B. Braun



Open non-sterile outer package
• Wide grasp area



RacePack® transfer to sterile field



Grasp needle directly from the packaging with the needle holder
• Flexible rear flap allows an easier grasping of the needle



Pull out the suture rightwards

RacePack®, reduced memory effect

- A reduction of up to 40 % compared to standard packaging in the market (1)

(1) Data on file
PTR/02/FF/0608/JLT-K;
issue date: 13/09/2007
and PTR/02/FF/0608-E/
JLT-BC; issue date:
16/02/2009

RacePack® Advantages Compared to DDP



RacePack® is a single step packaging system which provides (2):

- Reduction of the memory effect of the suture.
- Reduction of possible non-desired defects in the suture, such as marks or folds.
- Improvement of the accessibility to the needles.
- Improvement of the suture extraction.
- Improvement of the product description visualization.
- Improvement of the general appearance.

(2) Data on file
RDR/02/FF/1511/
JLT-A; issue
date:18/06/15



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