















# SUTURES POCKET GUIDE

PRODUCT INFORMATION

# COMPLETE SUTURE RANGE









ABSORBABLE SUTURE MATERIAL

Monofilament Advantage	Monofilament Advantage	Monofilament Advantage	Monofilament Advantage
Monosyn® Quick	Monosyn®	MonoPlus®	Monomax®
			
Glyconate, short-term absorbable	Glyconate, mid-term absorbable	Polydioxanone, long-term absorbable	Poly-4-hydroxy extra long-term absorbable
Coating: none	Coating: none	Coating: none	Coating: none
USP 6/0 to 1 metric 0.7 to 4	USP 6/0 to 2 metric 0.7 to 5	USP 7/0 to 2 metric 0.5 to 5	USP 2/0 metric 2
<p>Tensile strength retention:</p> <p>1 Day ~100 % 6-7 Days ~50 % 10 Days ~20-30 %</p>	<p>Tensile strength retention:</p> <p>1 Day ~100 % 14 Days ~50 % 21 Days ~20 %</p>	<p>Tensile strength retention:</p> <p>1 Day ~100 % 14 Days ~90 % 28 Days ~50 %</p>	<p>Tensile strength retention:</p> <p><b>USP 2/0:</b> 1 Month 3 Months 5 Months 7 Months <b>USP 1, 0:</b> 1 Month 3 Months 5 Months 7 Months</p>
Mass absorption: after 56 days	Mass absorption: from 60 to 90 days	Mass absorption: from 180 to 210 days	Mass absorption: between 13 months more than 36 months

	Braided <b>Novosyn®</b>	Braided <b>Novosyn® CHD</b>	Braided <b>Novosyn® Quick</b>
			
			
butyrate m	Polyglactin 910, mid-term absorbable	Polyglactin 910, mid-term absorbable	Polyglactin 910, short-term absorbable
to 1 to 4	Coating: Polyglactin 370 and calcium stearate	Coating: Polyglactin 370, calcium stearate and chlorhexidine diacetate	Coating: Polyglactin 370 and calcium stearate
h retention:	USP 8/0 to 2 metric 0.4 to 5	USP 5/0 to 2 metric 1 to 5	USP 6/0 to 2 metric 0.7 to 5
~90 % ~60 % <25 % ~0 %  ~90 % ~70 % ~60 % ~50 %	Tensile strength retention:  1 Day ~100 % 14 Days ~75 % 21 Days ~40-50 % 28 Days ~25 %	Tensile strength retention:  1 Day ~100 % 14 Days ~75 % 21 Days ~40-50 % 28 Days ~25 %	Tensile strength retention:  1 Day ~100 % 5 Days ~50 % after 14 Days ~0 %
on: months and	Mass absorption: from 56 to 70 days	Mass absorption: from 56 to 70 days	Mass absorption: in approx. 42 days

# COMPLETE SUTURE RANGE

NON-ABSORBABLE SUTURE MATERIAL

Monofilament Advantage	Braided	Monofilament or twisted	Monofilament Advantage
<b>Optilene®</b>	<b>PremiCron®</b>	<b>Steelex®</b>	<b>Dafilon®</b>
			
			
Polypropylene and polyethylene non-absorbable	Polyester, non-absorbable	Stainless steel, non-absorbable	Polyamide 6/6 (un-dyed, Polylactone black), non-absorbable
Coating: none	Coating: silicone	Coating: none or polyethylene <sup>3</sup>	Coating: none
USP 10/0 to 2 metric 0.2 to 5	USP 6/0 to 5 metric 0.7 to 7	<sup>1</sup> USP 5/0 to 7 metric 1 to 9 <sup>2</sup> USP 1 to 7 metric 4 to 9 <sup>3</sup> USP 3/0 to 0 metric 2 to 3.5	USP 11/0 metric 0.1

<sup>1</sup> Steelex®, <sup>2</sup> Steelex® Sternum Set, <sup>3</sup> Steelex® Electrode Set



Cardiothoracic Surgery

- Optilene®
- PremiCron®











Abdominal Wall Health

- Monomax®



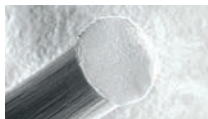
PARS – Plastic And Reconstructive Surgery

- Monosyn®
- Monosyn® Quick
- Dafilon®
- Optilene®

ent	Pseudomonofilament Advantage	Braided	Braided
	Supramid®	Dagrofil®	Silkam®
			
			
6.6 (dyed blue or nyamide 6.6 (dyed bsorbable	Polyamide 6/6.6, non-absorbable	Polyester, non-absorbable	Natural silk, non-absorbable
Coating: none	Coating: none	Coating: none	Coating: Pure beeswax
to 5 to 7	USP 6/0 to 3 metric 0.7 to 6	USP 6/0 to 3 metric 0.7 to 6	USP 7/0 to 5 metric 0.5 to 7



Braided



Monofilament

## BOX AND PEEL INFORMATION



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

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



# HANDLING STEPS

## DDP – DIRECT DISPENSE PACKAGING



Open non-sterile outer package



Transfer to sterile field



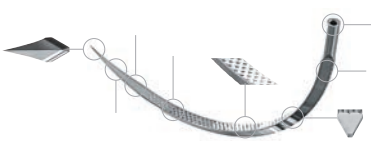
Tear-off opening system, indicated by colored arrows



Quick and direct gripping of the needle.  
Pull out the suture rightwards



CV pass needle: Round body needle with a short cutting point improves penetration through calcified vessels and tough tissue (3). The body of the needle is flattened to prevent the needle from rotating in the needle holder. CV pass needle with square needle body instead of flattened needle body for increased bending strength. This needle is specially designed for cardiovascular indication. It is available in a range of fine needles for a lower traumaticity or reinforced needles.



Dermaslide needle with a 2-side sharpened thin point indicated for clean tissue puncture for avoiding tissue damage. The micro engraved body needle allows a better gliding effect and improve the stability in the needle holder. The trapezoidal body allows to hold the needle precisely whilst improving the tissue penetration. Specially designed for plastic & reconstructive surgeries.

(3) Data on file  
PTR/22/13088/FLB.v2



## 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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