















SUTURES POCKET GUIDE

PRODUCT INFORMATION

COMPLETE SUTURE RANGE









ABSORBABLE SUTURE MATERIAL

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

	Braided Novosyn®	Braided Novosyn® CHD	Braided Novosyn® Quick
			
			
Polybutyrate 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
USP 1 to 4	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
Strength retention: ~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 %
Absorption: 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
Optilene®	PremiCron®	Steelex®	Dafilon®
			
			
Polypropylene and polyethylene non-absorbable	Polyester, non-absorbable	Stainless steel, non-absorbable	Polyamide 6/6 (un-dyed), Polyamide 6 (black), non-absorbable
Coating: none	Coating: silicone	Coating: none or polyethylene ³	Coating: none
USP 10/0 to 2 metric 0.2 to 5	USP 6/0 to 5 metric 0.7 to 7	¹ USP 5/0 to 7 (metric 1 to 9) ² USP 1 to 7 (metric 4 to 9) ³ USP 3/0 to 0 (metric 2 to 3.5)	USP 11/0 metric 0.1

¹ Steelex®, ² Steelex® Sternum Set, ³ Steelex® Electrode Set



Cardiothoracic Surgery

- Optilene®
- PremiCron®











Abdominal Wall Health

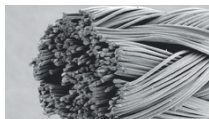
- Monomax®



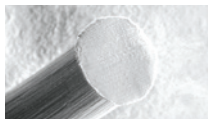
PARS – Plastic And Reconstructive Surgery

- Monosyn®
- Monosyn® Quick
- Dafilon®

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 or refined paraffin wax
to 3 to 6	USP 6/0 to 3 metric 0.7 to 6	USP 6/0 metric 0.7 USP 8 metric 10	USP 8/0 to 6 metric 0.4 to 8

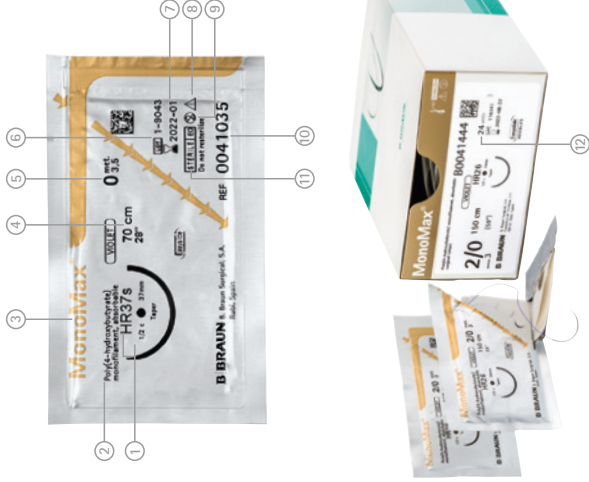


Braided



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

B. BRAUN NEEDLE NOMENCLATURE

A		B		C		12		D	
Needle angle of curvature		Body type		Point type		Needle length		Remark	
S	1/8 circle	R	round body	T	trocar point			ff	extra thin bodied needle
V	1/4 circle	S	cutting needle	N	blunt point			f	thin bodied needle
D	3/8 circle	G	trapezoidal micro engraved body	S	sternum point		This refers to the distance between the needle point and the needle end, measured along the length of the needle in mm	s	heavy bodied needle
H	1/2 circle	L	lancet needle	C	short cutting point			ss	extra heavy bodied needle
F	5/8 circle			M	micro-point			v	break-off needle
G	straight			MP	precision point			b	black needle
P	progressive curved			m	micro needle				
J	hook			mV	micro vascular				
SK	ski needle			B	protection point				

Example:

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

Needle angle of curvature	Others	"Take off" removable needle
<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 G Straight SK Ski</p>	<p>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.</p>

HANDLING STEPS

DDP – DIRECT DISPENSE PACKAGING



Open non-sterile outer package



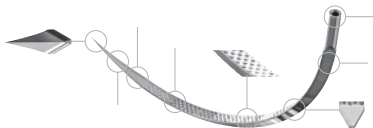
Transfer to sterile field



Tear-off opening system, indicated by colored arrows



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



Round body needle with a short cutting point improves penetration through calcified vessels and tough tissue. 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.

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

B. Braun Surgical, S.A.U. | Carretera de Terrassa, 121 | 08191 Rubí | Spain
Phone +34 93 586 6200 | Fax +34 93 588 1096 | www.bbraun.com

The product trademarks "Dafilon", "Dagrofil", "Monomax", "MonoPlus", "Monosyn", "Novosyn", "Optilene", "PremiCron", "RacePack", "Silkam" and "Steelex" are registered trademarks of B. Braun Melsungen AG or its affiliates.

Subject to technical changes. All rights reserved. This brochure may only be used for the exclusive purpose of obtaining information about our products. Reproduction in any form partial or otherwise is not permitted.

B56002 0122/PDF/6