














SUTURES POCKET GUIDE

PRODUCT INFORMATION

COMPLETE SUTURE RANGE

ABSORBABLE SUTURE MATERIAL

Monofilament Advantage	Monofilament Advantage	Monofilament Advantage	Monofilament Advantage	Braided
Monosyn Quick	Monosyn	MonoPlus	Monomax	Novosyn
				
Glyconate, short-term absorbable	Glyconate, mid-term absorbable	Polydioxanone, long-term absorbable	Poly-4-hydroxybutyrate extra long-term absorbable	Polyglactin mid-term
Coating: none	Coating: none	Coating: none	Coating: none	Coating: Polyglactin calcium st
USP 6/0 to 1 metric 0.7 to 4	USP 7/0 to 2 metric 0.5 to 5	USP 7/0 to 2 metric 0.5 to 5	USP 2/0 to 1 metric 3 to 4	USP 8/0 metric 0.4
<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 (≤ USP 4/0) ~50 % 35 Days (≥ USP 3/0) ~50 %</p>	<p>Tensile strength retention:</p> <p>USP 2/0, 3/0: 1 Month ~90 % 3 Months ~60 % 5 Months <25 % 7 Months ~0 %</p> <p>USP 1, 0: 1 Month ~90 % 3 Months ~70 % 5 Months ~60 % 7 Months ~50 %</p>	<p>Tensile strength retention:</p> <p>1 Day 14 Days 21 Days 28 Days</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 and more than 36 months	Mass absorption: from 56 to

	Braided	Braided or Monofilament**	Braided
n	Novosyn Quick	Safil	Safil Quick
			
			
n 910, absorbable	Polyglactin 910, short-term absorbable	Polyglycolic acid, mid-term absorbable	Polyglycolic acid, short-term absorbable
370 and tearate	Coating: Polyglactin 370 and calcium stearate	Coating: Copolymer of glyco- lide, ε-caprolactone and trimethylene car- bonate or uncoated**	Coating: Copolymer of glyco- lide, ε-caprolactone and trimethylene carbonate
0 to 2 4 to 5	USP 6/0 to 2 metric 0.7 to 5	USP 10/0 to 2 metric 0.2 to 5	USP 7/0 to 2 metric 0.5 to 5
length	Tensile strength retention:	Tensile strength retention:	Tensile strength retention:
~100 % ~75 % ~40-50 % ~25 %	1 Day ~100 % 5 Days ~50 % after 14 Days ~0 %	1 Day ~100 % 14 Days ~60-70 % 21 Days ~24-42 %	1 Day ~100 % 5 Days ~50 % 10-14 Days ~0 %
orption: 70 days	Mass absorption: in approx. 42 days	Mass absorption: from 60 to 90 days	Mass absorption: from 42 to 56 days

** USP 10/0 and 9/0

Monofilament Indications



Cardiovascular Surgery

- Optilene
- PremiCron



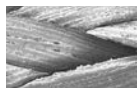
Abdominal Wall Health

- Monomax



PARS – Plastic And Reconstructive Surgery

- Monosyn
- Monosyn Quick
- Dafilon








Braided



Monofilament Advantage

COMPLETE SUTURE RANGE

NON-ABSORBABLE SUTURE MATERIAL

Monofilament Advantage	Monofilament Advantage	Braided	Monofilament or twisted	Monofilament Advantage
Optilene	Premilene	PremiCron	Steelex	Dafilon
				
Polypropylene and polyethylene non-absorbable	Polypropylene, non-absorbable	Polyester, non-absorbable	Stainless steel, non-absorbable	Polyamide 6, blue or un-dyed (black), non-absorbable
Coating: none	Coating: none	Coating: silicone	Coating: none or polyethylene ³	Coating: none
USP 10/0 to 0 metric 0.2 to 3.5	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

PACKAGING INFORMATION

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-single step packaging system

- Faster suture transfer, time savings for OR staff

RacePack, reduced memory effect

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

ent	Braided	Pseudomonofilament Advantage	Braided	Braided
	Trelon	Supramid	Dagnofil	Silkam
				
				
6.6 (dyed), 6 (dyed) 6 (absorbable)	Polyamide 6.6, non-absorbable	Polyamide 6/6.6, non-absorbable	Polyester, non-absorbable	Natural silk, non-absorbable
	Coating: silicone	Coating: none	Coating: none	Coating: Pure beeswax or refined paraffin wax
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 6/0 metric 0.7 USP 8 metric 10	USP 8/0 to 6 metric 0.4 to 8

Relex Electrode Set

DDP – DIRECT DISPENSE PACKAGING



Open non-sterile outer package



Transfer to sterile field

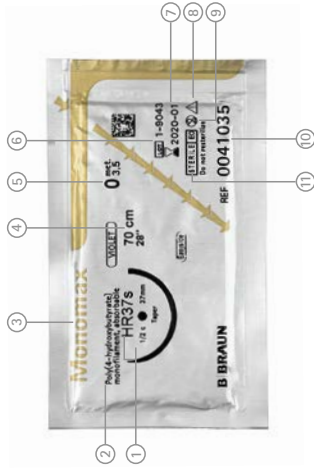


Tear-off opening system, indicated by coloured arrows



Quick and direct gripping of the needle. Pull out the suture right-wards

BOX AND PEEL INFORMATION



Description	
1	Needle code
2	Description of the suture
3	Product name
4	Length of the suture /Colour
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

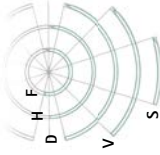
B. BRAUN NEEDLE NOMENCLATURE

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



S 1/8 circle
V 1/4 circle
D 3/8 circle
H 1/2 circle
F 5/8 circle

Others





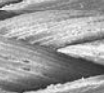

J Hook
P Progressive
G Straight
SK Ski

"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 the needle can be removed from the suture fiber.

COMPARISON CHART

NON-ABSORBABLE SUTURE MATERIAL

	B. Braun		Ethicon	Covidien
	Optilene	<i>polypropylene polyethylene monofilament</i>	Prolene* Pronova	Surgipro** II ~ Surgipro**
	Premilene	<i>polypropylene monofilament</i>	Prolene* Pronova	Surgipro** II ~ Surgipro**
	PremiCron	<i>polyester braided coated</i>	Ethibond Excel*	Ti-Cron**
	Dafilon	<i>polyamide monofilament</i>	Ethilon*	Monosof ~ Dermalon**
	Supramid	<i>polyamide pseudo- monofilament</i>		
	Trelon	<i>polyamide braided coated</i>	Nurolon*	Surgilon**
	Dagrofil	<i>polyester braided</i>	Mersilene*	Surgidac**
	Silkam	<i>silk braided coated</i>	Perma- Hand silk* Mersilk*	Silk**
	Steelex	<i>stainless steel</i>	Stainless steel*	Steel**

COMPARISON CHART

ABSORBABLE SUTURE MATERIAL

	B. Braun		Ethicon	Covidien
	Monosyn Quick	<i>short term absorbable monofilament</i>	Monocryl*	Caprosyn**
	Monosyn	<i>mid term absorbable monofilament</i>		Biosyn**
	MonoPlus	<i>long term absorbable monofilament</i>	PDS II*	Maxon**
	Monomax	<i>extra long term absorbable monofilament</i>		
	Novosyn Quick / Safil Quick	<i>short term absorbable braided</i>	Vicryl Rapide*	Velosorb Fast**
	Novosyn / Safil	<i>mid term absorbable braided</i>	Vicryl*	Polysorb**

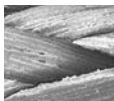
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Monofilament
Advantage

Braided



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