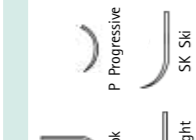
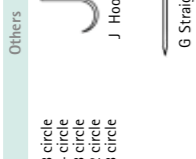
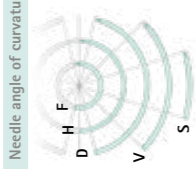


**B. BRAUN NEEDLE NOMENCLATURE**

A		B		C		D	
Needle angle of curvature		Body type		Point type		Needle length	
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	s	heavy bodied needle
H	1/2 circle	L	lanect 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	m/V	micro vascular		
J	hook	B	protection point				
SK	ski needle						

Example:

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



"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.

**HANDLING STEPS**

**DDP – DIRECT DISPENSE PACKAGING**



**RacePack® – INNOVATIVE SUTURE PACKAGING SYSTEM BY B. BRAUN**



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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The main product trademark "Aesculap" and the product trademarks "Daflon", "Dagrofil", "Monomax", "MonoPlus", "Monosyn", "Novosyn", "Dptlene", "PremiCron", "RacePack", "Silkam" and "Steelax" are registered trademarks of B. Braun Melsungen AG and its subsidiaries. The product trademarks "Monoderm" and "QUILL" are trademarks of Surgical Specialties Corporation.


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**SUTURES POCKET GUIDE**  
PRODUCT INFORMATION















## COMPLETE SUTURE RANGE

ABSORBABLE SUTURE MATERIAL

Monofilament Advantage	Monofilament Advantage	Monofilament Advantage	Monofilament Advantage	Monofilament Advantage	Monofilament Advantage	Braided	Braided	Braided
Monosyn® Quick	Monosyn®	QUILL™ Monoderm™	MonoPlus®	QUILL™ PDO	Monomax®	Novosyn®	Novosyn® CHD	Novosyn® Quick
								
Glyconate, short-term absorbable	Glyconate, mid-term absorbable	PGA - PCL, mid-term absorbable	Polydioxanone, long-term absorbable	Polydioxanone, long-term absorbable	Poly-4-hydroxybutyrate extra long-term absorbable	Polyglactin 910, mid-term absorbable	Polyglactin 910, mid-term absorbable	Polyglactin 910, short-term absorbable
Coating: none	Coating: none	Coating: none	Coating: none	Coating: none	Coating: none	Coating: Polyglactin 370 and calcium stearate	Coating: Polyglactin 370, calcium stearate and chlorhexidine diacetate	Coating: Polyglactin 370 and calcium stearate
USP 6/0 to 1 metric 0.7 to 1	USP 7/0 to 2 metric 0.5 to 2	USP 5/0 to 0 metric 1 to 3.5	USP 7/0 to 2 metric 0.5 to 2	USP 4/0 to 2 metric 1.5 to 2	USP 2/0 to 1 metric 2 to 4	USP 8/0 to 2 metric 0.4 to 2	USP 5/0 to 2 metric 1 to 2	USP 6/0 to 2 metric 0.7 to 2
Tensile strength retention: 1 Day ~100 % 6-7 Days ~50 % 10 Days ~20-30 %	Tensile strength retention: 1 Day ~100 % 14 Days ~50 % 21 Days ~20 %	Tensile strength retention: 1 Day ~100 % 7 Days ~42-76 % 14 Days ~36-52 %	Tensile strength retention: 1 Day ~100 % 14 Days ~90 % 28 Days ~50 %	Tensile strength retention: USP ≥ 3/0: 2 Weeks ~80 % 4 Weeks ~60 % 6 Weeks ~40 % 7 Months ~0 % USP 4/0: 2 Weeks ~67 % 4 Weeks ~50 % 6 Weeks ~37 %	Tensile strength retention: 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 %	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 %
Mass absorption: after 56 days	Mass absorption: from 60 to 90 days	Mass absorption: from 90 to 120 days	Mass absorption: from 180 to 210 days	Mass absorption: from 120 to 180 days	Mass absorption: between 13 months and more than 36 months	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	Monofilament Advantage	Braided	Monofilament or twisted	Monofilament Advantage	Braided	Pseudomonofilament Advantage	Braided	Braided
Optilene®	QUILL™ Polypropylene	PremiCron®	Steelex®	Dafilon®	Trelon®	Supramid	Dagrofil®	Silkam®
								
Polypropylene and polyethylene non-absorbable	Polypropylene, non-absorbable	Polyester, non-absorbable	Stainless steel, non-absorbable	Polyamide 6/6.6 (dyed blue or un-dyed), Polyamide 6.6 (dyed black), non-absorbable	Polyamide 6.6, non-absorbable	Polyamide 6/6.6, non-absorbable	Polyester, non-absorbable	Natural silk, non-absorbable
Coating: none	Coating: none	Coating: silicone	Coating: none or polyethylene <sup>3</sup>	Coating: none	Coating: silicone	Coating: none	Coating: none	Coating: Pure beeswax or refined paraffin wax
USP 10/0 to 2 metric 0.2 to 5	USP 2/0 to 2 metric 3 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 to 3 metric 0.1 to 6	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
								
Cardiothoracic Surgery - Optilene® - PremiCron®	Abdominal Wall Health - Monomax®	PARS – Plastic And Reconstructive Surgery - Monosyn® - Monosyn® Quick - Dafilon®						

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

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

## BOX AND PEEL INFORMATION

