

A		B		C	12		D
Needle angle of curvature		Body type		Point type	Needle length		Remark
S	1/8 circle	R	round body	T	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
V	1/4 circle	S	cutting needle	N		f	thin bodied needle
D	3/8 circle	G	trapezoidal micro engraved body	S		s	heavy bodied needle
H	1/2 circle	L	lanet needle	C		ss	extra heavy bodied needle
F	5/8 circle			M		v	break-off needle
G	straight			MP		b	black needle
P	progressive curved			m			
J	hook			mV			
SK	ski needle			B			

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

Needle angle of curvature

Others

G Straight

“Take off” removable needle

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

Handling Steps

DDP – Direct Dispense Packaging



Open non-sterile outer package



Transfer to sterile field



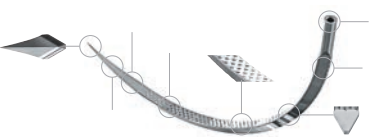
Tear-off opening system, indicated by colored arrows



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

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

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Sutures Pocket Guide

Product Information

















Complete Suture Range

Absorbable Suture Material

Monofilament Advantage	Monofilament Advantage	Monofilament Advantage	Monofilament Advantage	Braided	Braided	Braided
Monosyn® Quick	Monosyn®	MonoPlus®	Monomax®	Novosyn®	Novosyn® CHD	Novosyn® Quick
						
						
Glyconate, short-term absorbable	Glyconate, mid-term absorbable	Polydioxanone, long-term absorbable	Poly-4-hydroxybutirate 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: 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 4	USP 6/0 to 2 metric 0.7 to 5	USP 7/0 to 2 metric 0.5 to 5	USP 2/0 to 1 metric 2 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
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 % 14 Days ~90 % 28 Days ~50 %	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 180 to 210 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	Braided	Monofilament or twisted	Monofilament Advantage	Pseudomonofilament Advantage	Braided	Braided
Optilene®	PremiCron®	Steelex®	Dafilon®	Supramid	Dagrofil®	Silkam®
						
						
Polypropylene and polyethylene 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 6/6.6, non-absorbable	Polyester, non-absorbable	Natural silk, non-absorbable
Coating: none	Coating: silicone	Coating: none or polyethylene ³	Coating: none	Coating: none	Coating: none	Coating: Pure beeswax
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 to 5 metric 0.1 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

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



Cardiothoracic Surgery
• Optilene®
• PremiCron®



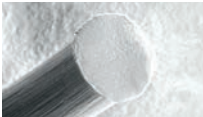
Abdominal Wall Health
• Monomax®



PARS – Plastic And Reconstructive Surgery
• Monosyn®
• Monosyn® Quick
• Dafilon®
• Optilene®



Braided



Monofilament

Box and Peel Information

