

GENERAL OPEN SURGERY

# Optilene<sup>®</sup>

AN EXTRAORDINARY MONOFILAMENT SUTURE FOR SKIN CLOSURE

Non-absorbable monofilament suture made of  
polypropylene and polyethylene

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## PREMIUM SOLUTION PROVIDER

At B. Braun, our goal is to provide the most advanced medical solutions in order to preserve the most valuable thing we have: HUMAN LIFE.

Through constant dialogue with our partners, doctors, healthcare professionals and, ultimately, patients, B. Braun develops future-oriented solutions.

## PARS – PLASTIC AND RECONSTRUCTIVE SURGERY

Plastic and Reconstructive Surgery is one of the most multidisciplinary and technically demanding specialties, where the excellence of surgical products is critical in order to achieve the best outcome possible.

Through Innovation, Quality and Clinical Excellence, B. Braun is committed to become the new integral alternative for Plastic and Reconstructive Surgeons in their daily surgical practice.

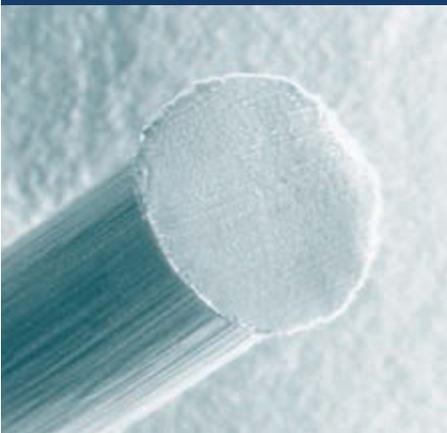
## THE MONOFILAMENT ADVANTAGE

B. Braun has a wide range of monofilament sutures, absorbable and non-absorbable in order to provide to surgeons a tailor-made product solution according to their requirements.

Optilene® is a non-absorbable monofilament suture made of polypropylene and polyethylene which has been specifically designed for soft tissue approximation and/or ligation, when surgical practice requires the use of a non-absorbable suture material.

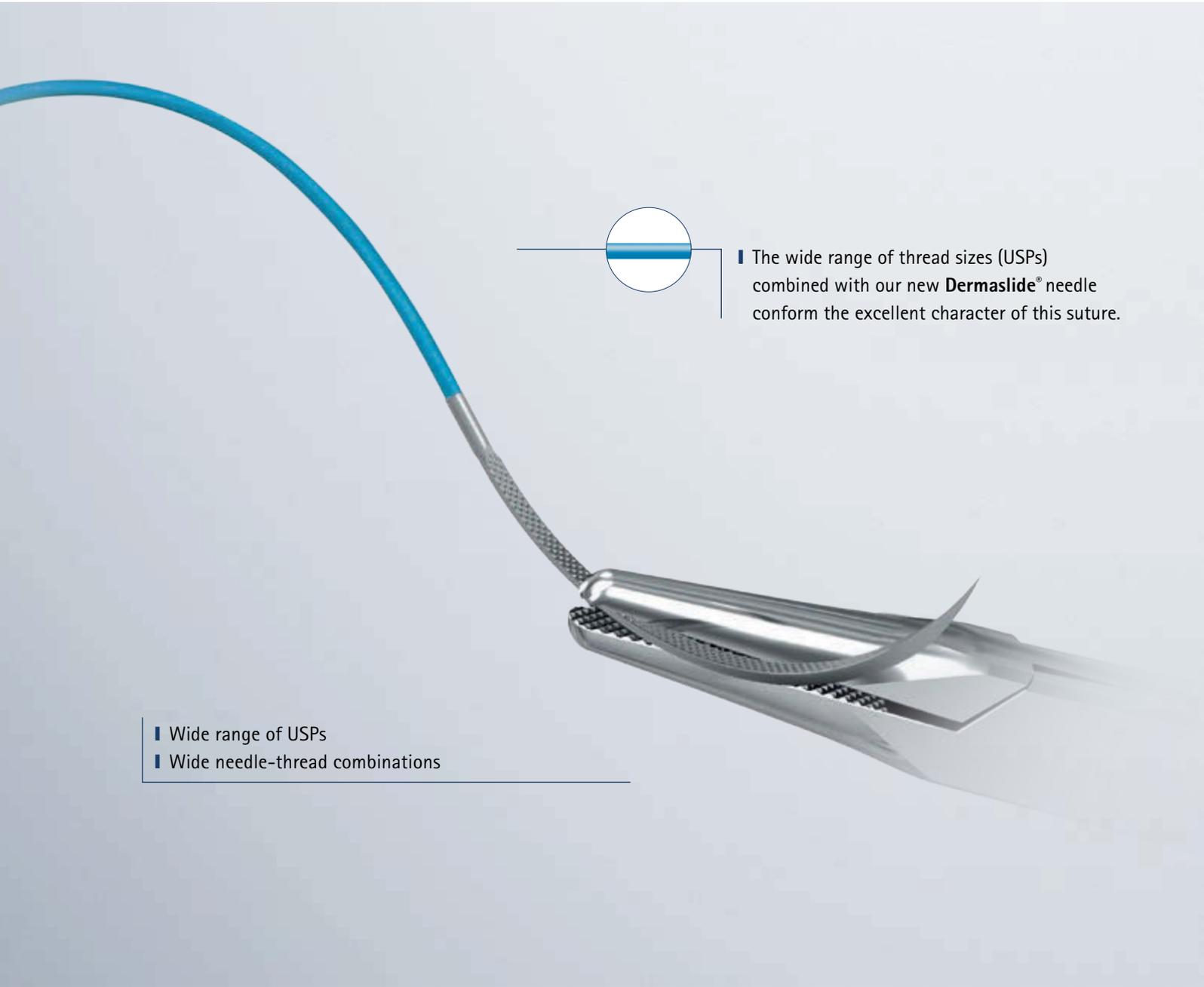
## BENEFITS OF Optilene®:

- High tensile strength<sup>1,2</sup>
- Excellent surface smoothness<sup>1,2</sup>
- Controlled knot running down and tightness<sup>1,2</sup>
- Good handling and low memory effect<sup>1,2,3</sup>
- Excellent flexibility<sup>1</sup>



# Optilene®

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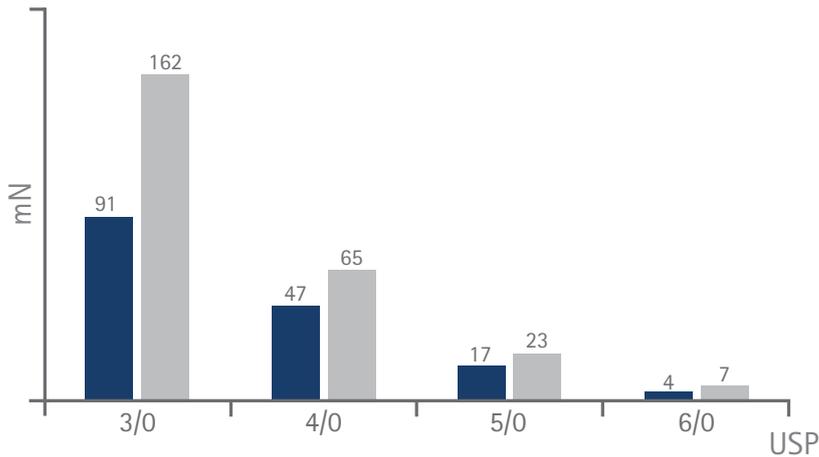
■ The wide range of thread sizes (USPs) combined with our new **Dermaslide®** needle conform the excellent character of this suture.

- Wide range of USPs
- Wide needle-thread combinations

<sup>1a</sup> Fifteen sample T-test for Optilene® vs. Premilene® size 3/0 suggests P value = 0.000; for Optilene® vs. Premilene® size 4/0 suggests P value = 0.003; for Optilene® vs. Premilene® size 5/0 suggests P value = 0.057 and for Optilene® vs. Premilene® size 6/0 suggests P value = 0.003. If the P value is equal or smaller than 0.05, the result is statistically significant.

<sup>1b</sup> Twenty-five sample T-test for Optilene® vs. Premilene® size 3/0 suggests P value = 0.005; for Optilene® vs. Premilene® size 4/0 suggests P value = 0.000; for Optilene® vs. Premilene® size 5/0 suggests P value = 0.040 and for Optilene® vs. Premilene® size 6/0 suggests P value = 0.001. If the P value is equal or smaller than 0.05, the result is statistically significant.

**Optilene® – FLEXIBILITY<sup>1a</sup>:**

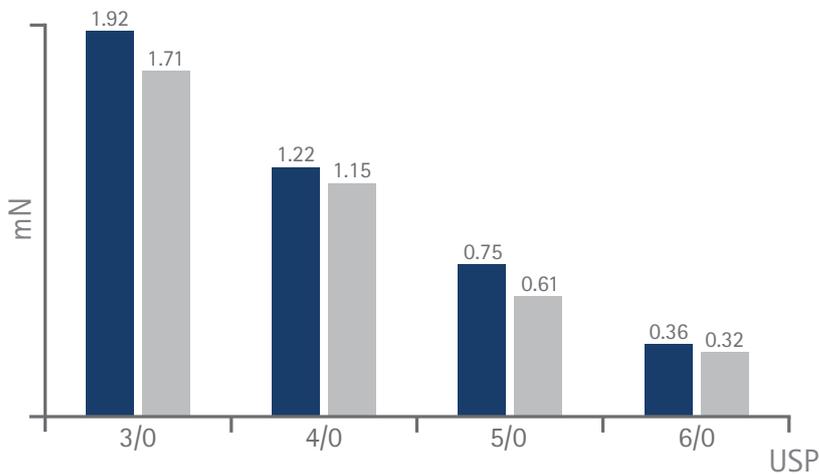


Measuring the needed strength to bend the threads 30° against a load cell.

The lower the force value (mN), the higher the flexibility.

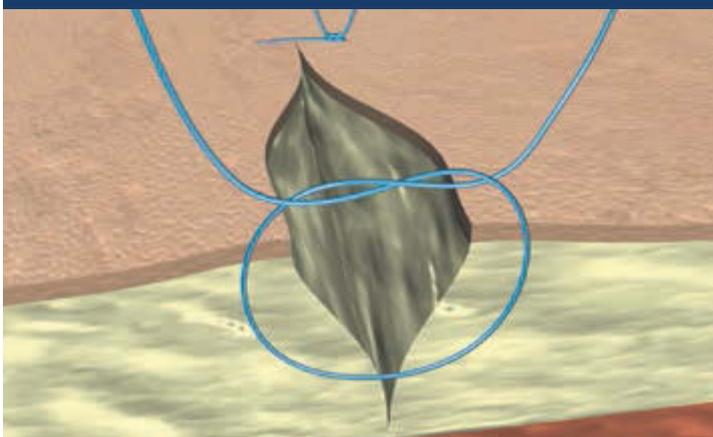
■ Optilene®  
■ Old generation polypropylene

**Optilene® – KNOT STRENGTH<sup>1b</sup>:**



Determined over a simple knot formed by placing one end of a suture held in the right hand over the other end held in the left hand, passing one end over the suture and through the loop so formed pulling the knot tight.

■ Optilene®  
■ Old generation polypropylene



**Optilene® IS SUITABLE FOR SOFT TISSUE APPROXIMATION\***

**\*Instructions for use:**

Optilene® is indicated for soft tissue approximation and/or ligation, when surgical practice requires the use of a non-absorbable suture material. Optilene® sutures are also for use in cardiovascular surgery and neurosurgical procedures, where the low thrombogenic properties of polypropylene have a positive influence on wound healing. Other indications for Optilene® include microsurgery and ophthalmology.

# Optilene®

NEW Dermaslide® NEEDLE: A DEFINITIVE CHOICE FOR SKIN CLOSURE

FROM OUR FIRST REVERSE CUTTING TO THE OUTSTANDING Dermaslide® NEEDLE:

- Made from 300 series steel
- Continuous sharpness
- Flattened body prevents rotating in the needle holder



THE REVERSE CUTTING NEEDLE TIP WITH PROGRESSIVE MICROPOINT ENHANCES IT SO THAT EVERY PUNCTURE IS MADE WITH:

- Excellent tissue penetration<sup>5,7</sup>
- High bending performance<sup>5,7</sup>



DSMP

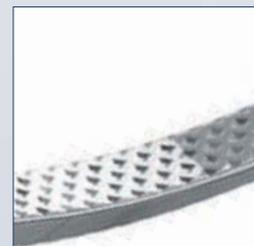
*For outstanding cosmetic results*

Dermaslide® New  
Needle Generation  
(DGMP)

- The DS needle was our first launch indicated for skin closure.
- It is our traditional reverse cutting needle with extensive experience in the market: more than 15 million units delivered around the world annually.

THE FLATTENED AND ENGRAVED BODY OF THE Dermaslide® NEEDLE PROVIDES:

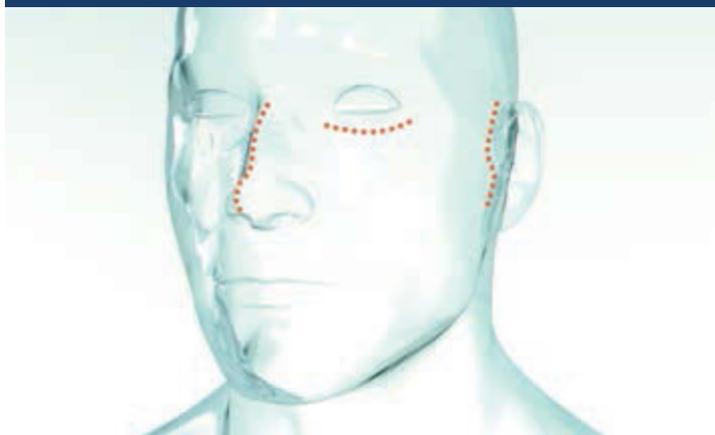
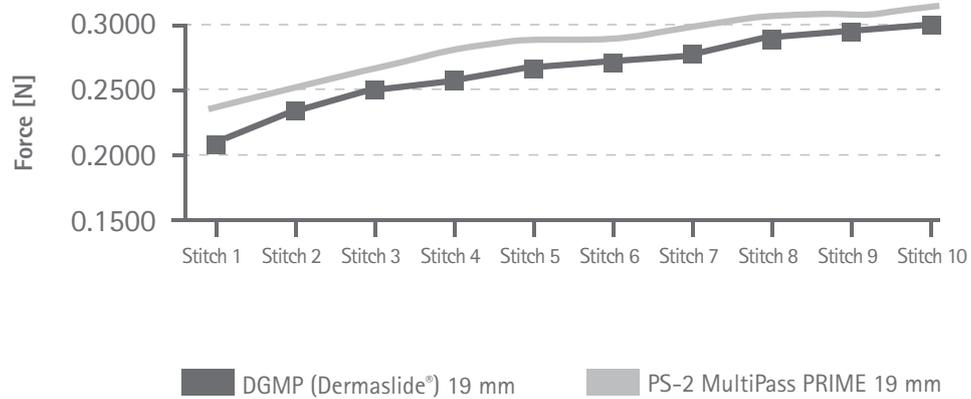
- Improvement in the stability of the needle in the grasp of the needle-holder<sup>7</sup>





- Excellent tissue penetration<sup>5,7</sup>
- High bending performance<sup>5,7</sup>
- Sharper after multiples stitches compared to a classical cutting needle<sup>5,6</sup>
- Designed to improve the stability of the needle in the grasp of the needle holder<sup>7</sup>

#### Dermaslide® – PENETRATION PERFORMANCE<sup>4</sup>



The ideal suture is a needle-thread combination that offers high performance to the surgeon for the desired indication. B. Braun has gone a step further by offering an innovative plastic surgery needle for skin closure to combine with Optilene®.

**THE IDEAL NEEDLE FOR THE EXTRAORDINARY Optilene®**

# Optilene®

AN EXTRAORDINARY MONOFILAMENT SUTURE FOR SKIN CLOSURE



Optilene® IS AVAILABLE WITH RacePack®  
PACKAGING

RacePack® is a single step packaging system  
which provides:

- Fast suture transfer
- Low memory effect
- Easy product identification

Optilene®  
+  
**Dermaslide**

+



AN EXTRAORDINARY  
SUTURE FOR SKIN CLOSURE

## PRODUCT OVERVIEW

# Optilene®

Structure	Monofilament
Colour	Blue
Chemical composition	Polypropylene and Polyethylene
Coating	Uncoated
Origin	Synthetic
Sizes	USP 6/0 (0.7 metric) to USP 3/0 (2 metric)
Type of absorption	Non-absorbable
Sterilization	Ethylene oxide



# Optilene®

NEEDLE-THREAD COMBINATIONS FOR SKIN CLOSURE

HIGH PRECISION MICRO ENGRAVED PLASTIC SURGERY NEEDLE



Dermaslide

3/8 circle micro engraved needle with precision point	length cm	colour	units per box	6/0	5/0	4/0	3/0
				0.7	1	1.5	2
<b>DGMP 11</b> 	45	blue	36	C3095588			
			12	G3095588			
<b>DGMP 13</b> 	45	blue	36	C3095589	C3095518	C3095910	
			12	G3095589	G3095518	G3095910	
<b>DGMP 16</b> 	45	blue	36		C3095549	C3095499	
			12		G3095549		
	75		36				C3095999
<b>DGMP 19</b> 	45	blue	36		C3095550	C3095500	C3095591
			12		G3095550	G3095500	
	75		36			C3095517	C3095983
<b>DGMP 24</b> 	45	blue	36			C3095717	C3095706
	75			36			C3095718



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## AESCULAP<sup>®</sup> – a B. Braun brand

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