

Monosyn[®] Quick

THE QUICK SUTURE FOR SKIN CLOSURE

Short-term synthetic absorbable monofilament suture
made of glyconate

Monosyn[®] Quick

THE QUICK SUTURE FOR SKIN CLOSURE



A COMPLETE RANGE OF BENEFITS

B. Braun offers a comprehensive synthetic absorbable monofilament portfolio that provides solutions according to surgeon's requirements for the different surgical layers:

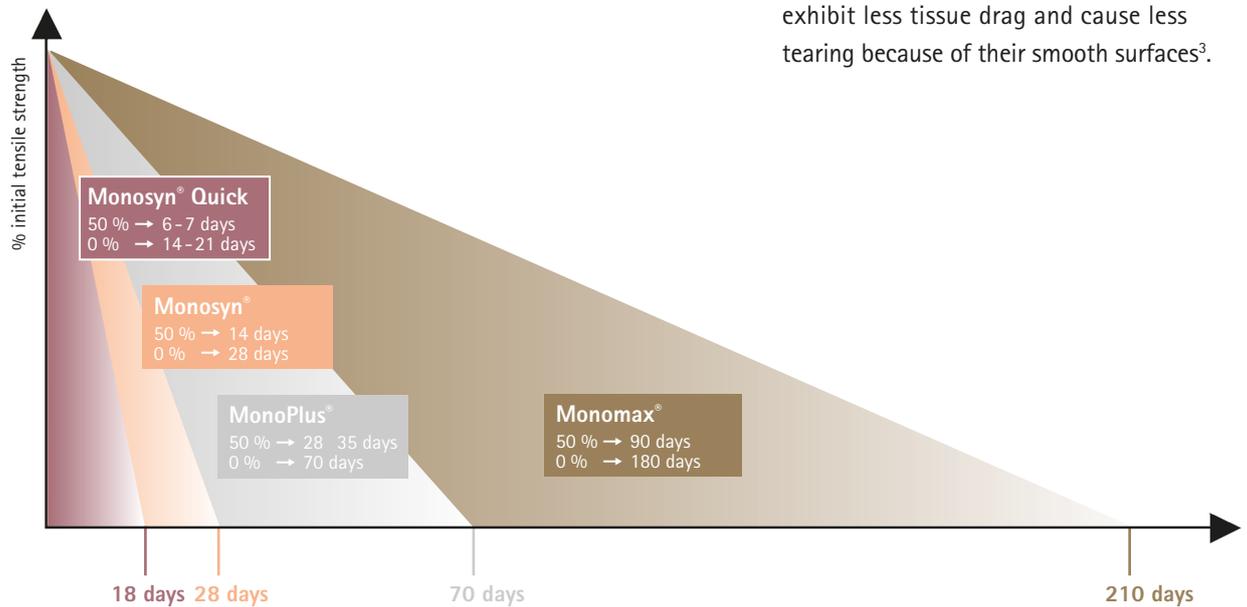


Figure 1: Tensile strength retention of the B. Braun synthetic monofilament sutures

Monosyn[®] Quick: Short term absorbable suture for fast healing tissues.

Monosyn[®]: Mid term absorbable suture for soft tissue approximation.

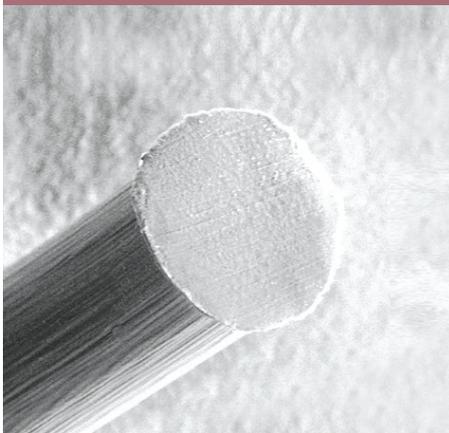
MonoPlus[®]: Long term absorbable suture designed for slow healing tissues.

Monomax[®]: Extra long term absorbable suture specially engineered for abdominal wall closure.

THE MONOFILAMENT ADVANTAGE

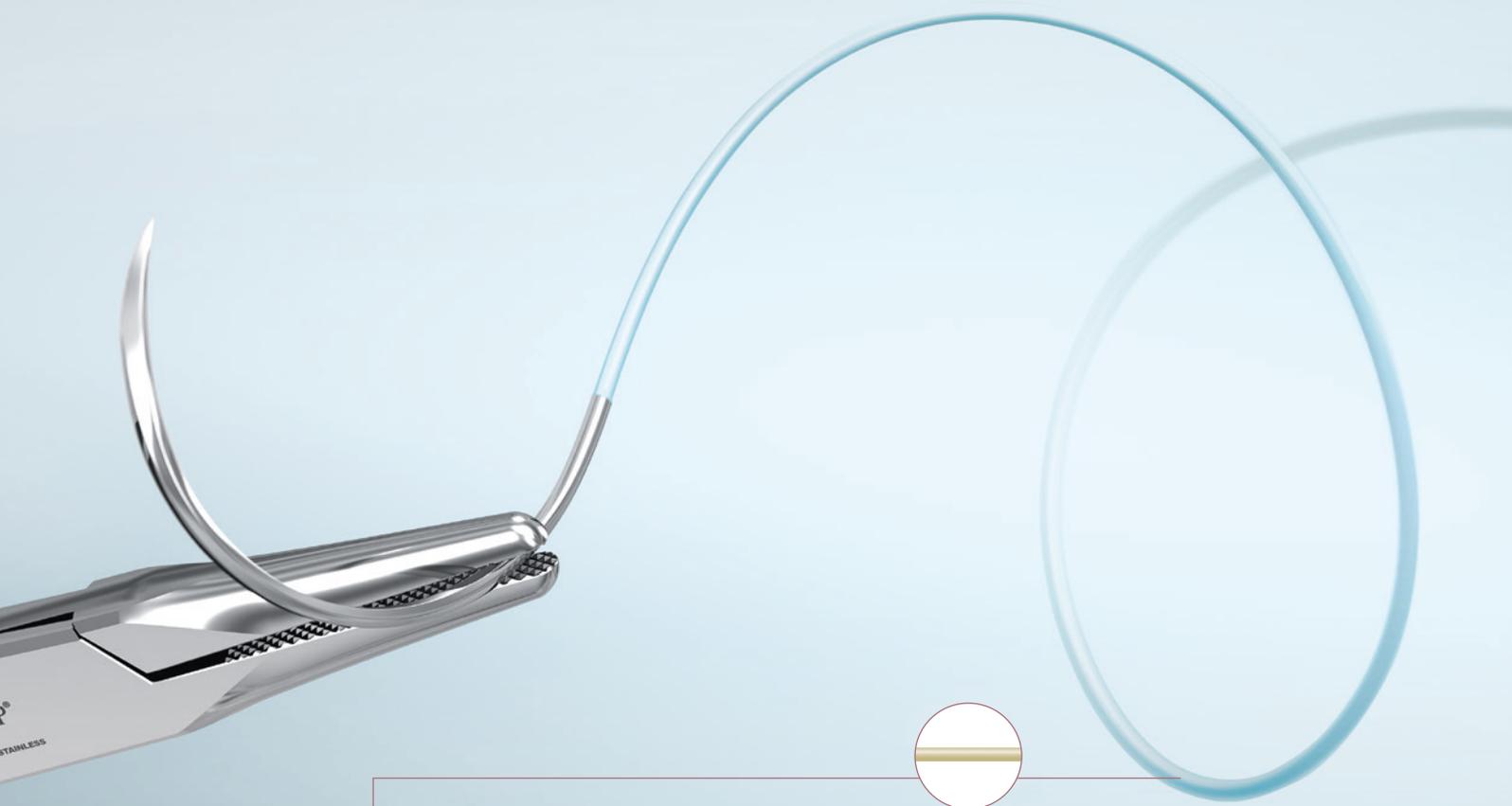
The main advantages of using monofilament sutures:

- Monofilament sutures appear to have the lowest infection promoting effects^{1,2}.
- Compared with braided multifilament sutures, absorbable monofilaments exhibit less tissue drag and cause less tearing because of their smooth surfaces³.



Monosyn® Quick

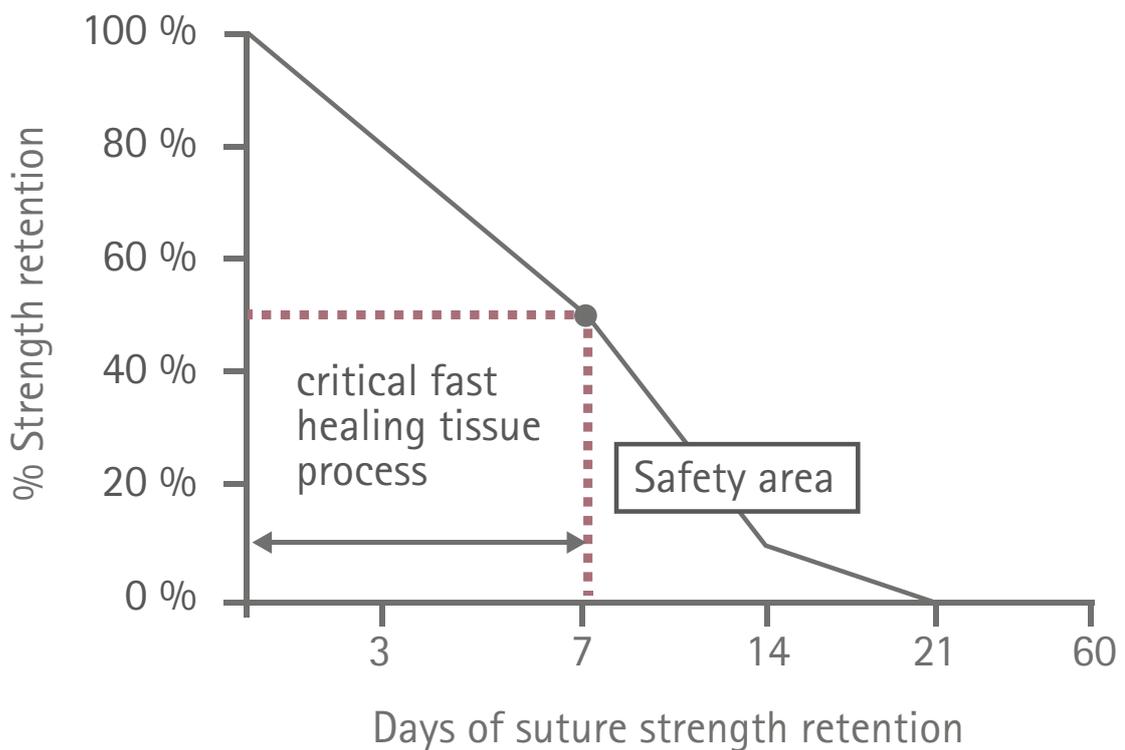
THE QUICK SUTURE FOR SKIN CLOSURE



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

ABSORPTION PROFILE OF Monosyn® Quick

Tissue holding (4, 5)



Monosyn® Quick maintains 50 % of its original tensile strength after 7 days, with a complete mass absorption in 56 days⁵.



INDICATIONS⁵

Monosyn® Quick is used for soft tissues and mucous membranes, when wound support over a period of 7 days is considered adequate.

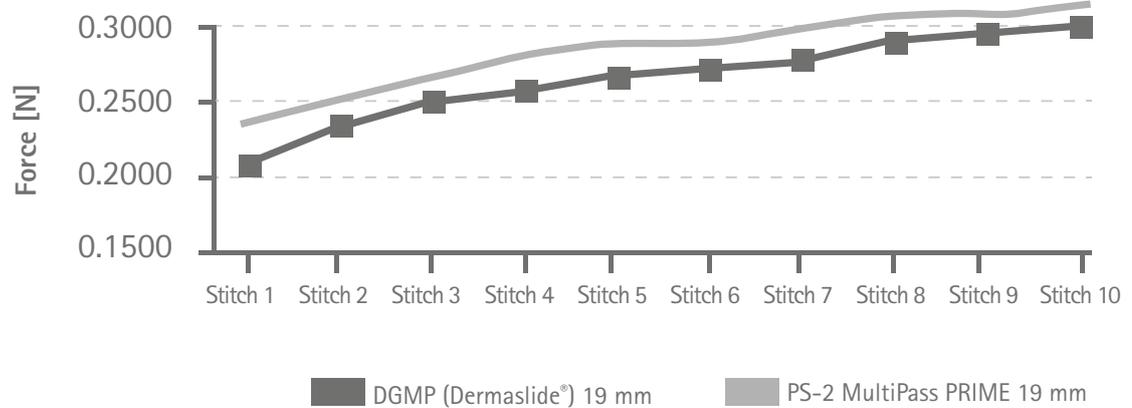
The main indications are:

- Dermal sutures, particularly in pediatric surgery.
- Episiotomy (gynaecology).
- Circumcision (urology).



- Excellent tissue penetration⁸.
- High bending performance⁹.
- Sharper after multiple stitches compared to classical cutting needle^{8,10}.
- Designed to improve the stability of the needle in the grasp of the needle holder⁹.

Dermaslide® PENETRATION PERFORMANCE (11)



A surgical suture should include a needle-thread combination that guarantees high performance to a surgeon for the desired indication.

B. Braun has gone a step further by offering an innovative plastic surgery needle for skin closure to be combined with Monosyn® Quick.



Monosyn® Quick

THE QUICK SUTURE FOR SKIN CLOSURE



PRODUCT OVERVIEW

Monosyn® Quick



Structure	Monofilament
Colour	Undyed
Chemical composition	Glyconate, a polymer made of: <ul style="list-style-type: none"> ■ 72 % Glycolide, ■ 14 % Trimethylene carbonate ■ 14 %-caprolactone
Sizes	USP 1 (metric 4) - 6/0 (metric 1)
Knot tensile strength retention	70 - 80 % after 5 days 50 % after 7 days 20 - 30 % after 10 days 0 % after 14 - 21 days
Mass absorption	Degradation by hydrolysis within 56 days
Sterilisation	Ethylene oxide



Monosyn® Quick

NEEDLE-THREAD COMBINATIONS

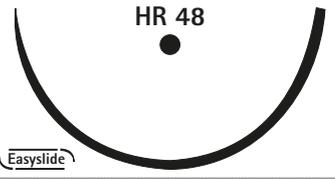
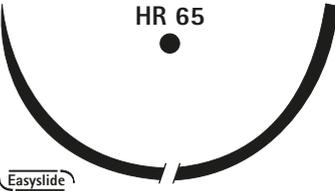
Needle length mm	Thread length cm colour	USP (metric)							
		6/0 (0.7)	5/0 (1)	4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)	1 (4)	2 (5)
1/2 circle round bodied needle									
 HR 13 	45 70 undyed	C0025193	C0025194 C0025207	C0025195					
 HR 17 	45 70 undyed	C0025216	C0025225 C0025051	C0025052	C0025053				
 HR 22 	45 70 undyed			C0025245	C0025160 C0025246	C0025247			
 HR 26 	70 undyed			C0025057	C0025058	C0025059	C0025060		
 HR 26s 	70 undyed					C0025361	C0025165		
 HR 30 	70 undyed					C0025294	C0025295	C0025296	
 HR 37s 	70 90 undyed				C0025064 C0025070	C0025065 C0025071	C0025066 C0025072	C0025067 C0025073	
 HR 40s 	70 90 undyed				C0025080	C0025076	C0025077 C0025082	C0025078 C0025083	
 HR 43 	70 undyed						C0025176		
 HR 43s 	90 undyed						C0025370		

C Box of 36 units

B Box of 24 units

G Box of 12 units

M Box of 6 units

Needle length mm	Thread length cm colour	USP (metric)							
		6/0 (0.7)	5/0 (1)	4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)	1 (4)	2 (5)
1/2 circle round bodied needle									
 HR 48 Easyslide	90 undyed					C0025086	C0025087	C0025088	
 HR 65 Easyslide	90 undyed					B0025261			
5/8 circle round bodied needle									
 FR 26 Easyslide	70 undyed					C0025047			
 FR 36 Easyslide	70 undyed						C0025119		
Straight round bodied needle									
 GR 19 Easyslide	45 undyed		C0025114	C0025115					
3/8 circle round bodied needle with trocar point									
 DRT 12 Easyslide	45 undyed	C0025235							
 DRT 18 Easyslide	45 70 undyed		C0025236	C0025313	C0025314				
1/2 circle round bodied needle with trocar point									
 HRT 17 Easyslide	70 undyed		C0025152						
 HRT 37 Easyslide	90 120 undyed					C0025091 C0025096	C0025092	C0025093	

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NEEDLE-THREAD COMBINATIONS

Needle length mm	Thread length cm colour	USP (metric)							
		6/0 (0.7)	5/0 (1)	4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)	1 (4)	2 (5)
1/2 circle round bodied needle with trocar point									
 HRT 37s ⊕ Easyslide	70 undyed					C0025103			
 HRT 43 ⊕ Easyslide	90 undyed						C0025284	C0025285	
 HRT 48 ⊕ Easyslide	90 undyed						C0025275		
1/2 circle round bodied needle with blunt point									
 HRN 35 ○ Easyslide	70 undyed						C0025177		
 HRN 65 ○ 180° Easyslide	70 undyed						B0025139		
3/8 circle reverse cutting needle									
 DS 12 ▼ Easyslide	45 70 undyed	C0025134	C0025135 C0025323	C0025136 C0025304	C0025169				
 DS 16 ▼ Easyslide	45 70 undyed		C0025125 C0025331	C0025126 C0025332	C0025333				
 DS 19 ▼ Easyslide	45 70 undyed	C0025005	C0025001 C0025006	C0025002 C0025007	C0025003 C0025008	C0025009			
 DS 24 ▼ Easyslide	45 70 undyed			C0025011	C0025351 C0025012	C0025352 C0025013	C0025342		

C Box of 36 units

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M Box of 6 units

Needle length mm	Thread length cm colour	USP (metric)							
		6/0 (0.7)	5/0 (1)	4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)	1 (4)	2 (5)
3/8 circle reverse cutting needle									
 DS 30 Easyslide	70 undyed				C0025014	C0025015	C0025107		
1/2 circle reverse cutting needle									
 HS 15 Easyslide	45 undyed		C0025143						
 HS 18 Easyslide	70 undyed				C0025379				
 HS 23 Easyslide	45 undyed			C0025388	C0025389				
 HS 37 Easyslide	70 undyed						C0025174		
 HS 37s Easyslide	90 undyed					C0025265	C0025266		
 HS 40s Easyslide	90 undyed						C0025256	C0025257	
Straight reverse cutting needle									
 GS 51 Easyslide	70 undyed			C0025180	C0025181	C0025182	C0025172		
 GS 60 Easyslide	70 undyed				C0025186				
3/8 circle Trapezoidal micro engraved with precision point									
 DGMP 11	45 undyed	C0025807	C0025805						
 DGMP 13	45 undyed		C0025806	C0025802					
 DGMP 16	45 undyed			C0025803					

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NEEDLE-THREAD COMBINATIONS

Needle length mm	Thread length cm colour	USP (metric)							
		6/0 (0.7)	5/0 (1)	4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)	1 (4)	2 (5)
3/8 circle Trapezoidal micro engraved with precision point									
 DGMP 19	45		C0025808	C0025804					
	70 undyed				C0025801				
 DGMP 24	45								
	70 undyed				C0025809				C0025138
3/8 circle reverse cutting needle with precision point									
 DSMP 11	45	C0025020	C0025021						
	70 undyed		C0025112						
 DSMP 13	45	C0025023	C0025024	C0025025					
	70 undyed	C0025111	C0025113	C0025337					
 DSMP 16	45	C0025027	C0025028	C0025029	C0025030				
	70 undyed			C0025130					
 DSMP 19	45		C0025031	C0025032	C0025033				
	70 undyed			C0025036	C0025037	C0025038			
 DSMP 24	45			C0025039	C0025040				
	70 undyed			C0025042	C0025043	C0025044			
1/2 circle reverse cutting needle with precision point									
 HSMP 15	45			C0025101					
	undyed								

C Box of 36 units	B Box of 24 units	G Box of 12 units	M Box of 6 units
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	Thread length cm colour	USP (metric)							
		6/0 (0.7)	5/0 (1)	4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)	1 (4)	2 (5)
Pre-cut sutures									
1 thread of 150 cm	1 x 150 undyed				C0025320				

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NEEDLE-THREAD COMBINATIONS

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- 1 Mangram AJ, Horan TC, Pearson ML, Silver LC, Jarvis WR. Guideline for prevention of surgical site infection 1999. Hospital Infection Control Practices Advisory Committee. Infect Control Hosp Epidemiol. 1999;20(4):250-78.
 - 2 Choi HJ, Chae HD. Comparison of E. Coli infiltration between new synthetic absorbable sutures. J Korean Surg Soc. 2009;77(1):1-6.
 - 3 Im JN, Kim JK, Kim HK, Lee KY, Park WH. Characteristics of novel monofilament sutures prepared by conjugate spinning. J Biomed Mater Res B Appl Biomater. 2007 Nov;83(2):499-504.
 - 4 NAMS report Lab No. 03C1658900, data on file.
 - 5 IFU Monosyn® Quick.
 - 6 Test Report 113_139/A and Test Report 113_134/A.
 - 7 RDR-22-13110-FJB-CMY.
 - 8 B. Braun Test Report 113_139/A Benchmark Cosmetic Needles: Ethicon – Covidien – SetR.
 - 9 B. Braun RetD Testing Services Report (RDR-22-13110-FJB-CMY).
 - 10 B. Braun Test Report 113_134/A Benchmark Cosmetic Needles: Evolution MANI.
 - 11 Data on file (2013), determined by Penetration measurement protocol SXMAD/05/A 20/03/06.

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