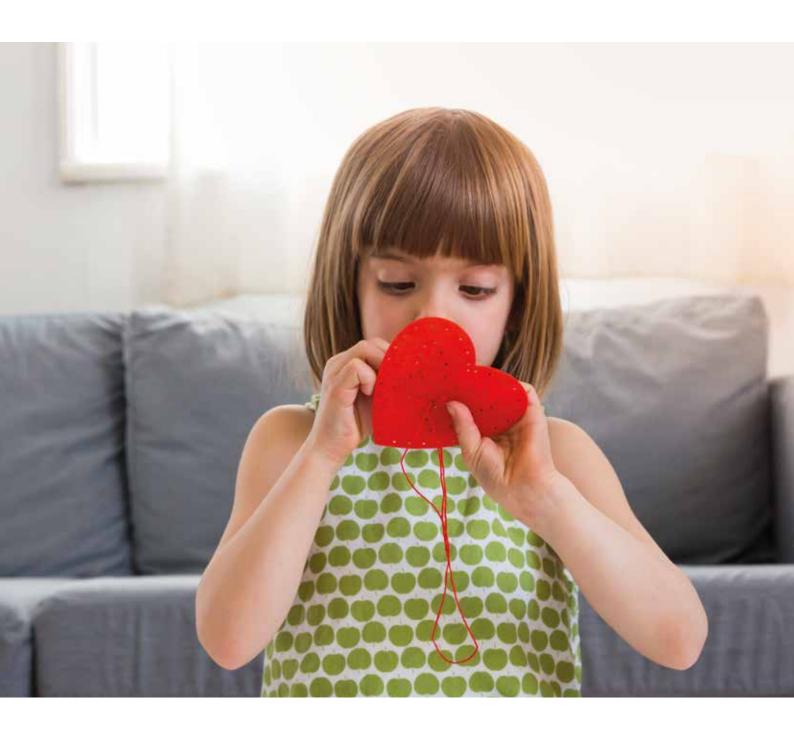


YOUR CHOICE FOR SOFT TISSUE APPROXIMATION

Mid-term synthetic absorbable monofilament suture made of glyconate

Monosyn®
YOUR CHOICE FOR SOFT TISSUE APPROXIMATION



A COMPLETE RANGE OF SUTURES

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

THE MONOFILAMENT ADVANTAGE

The main advantages of using monofilament sutures:

- I The monofilament sutures appear to have the lowest infection promoting effects compared to polifilament sutures (1-4).
- I Compared with braided multifilament sutures, absorbable monofilaments exhibit less tissue



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

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

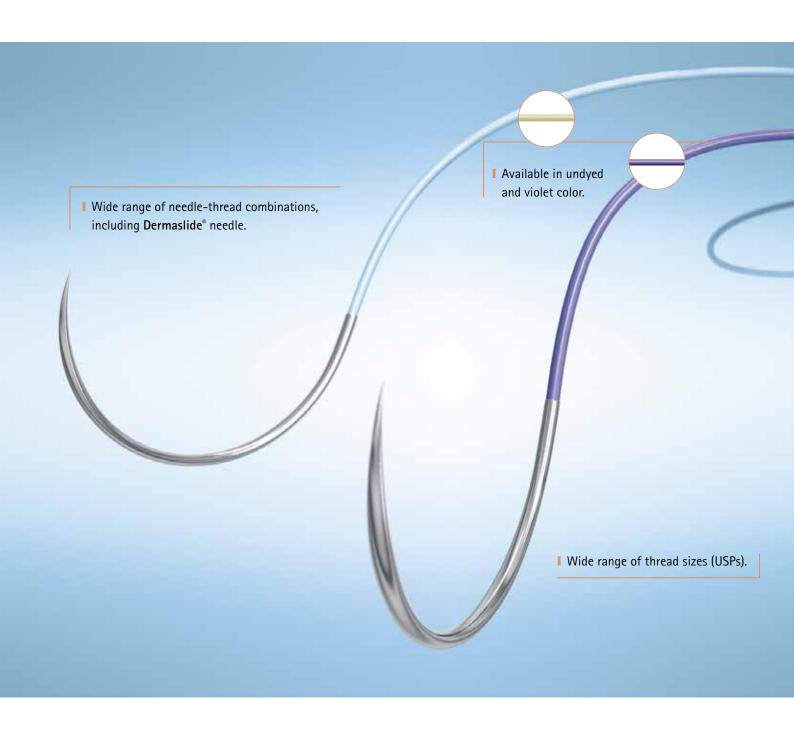
Monosyn°: Mid term absorbable suture for soft tissue approximation.

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

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



YOUR CHOICE FOR SOFT TISSUE APPROXIMATION

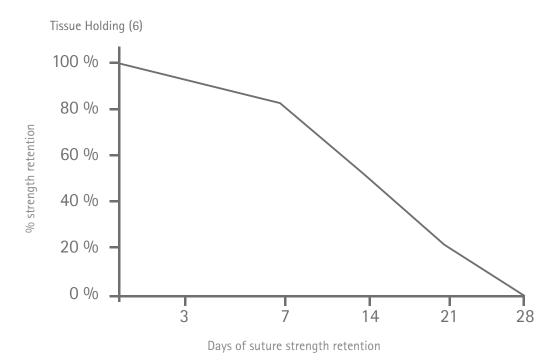


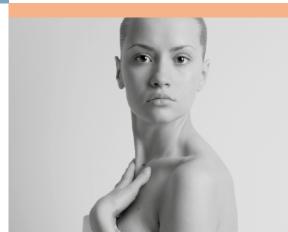
FEATURES OF Monosyn®

- I High knot pull tensile strength (KPTS). Monosyn® KPTS is 4-6% higher than the market standard (6).
- Implantation studies have shown that Monosyn® retains approximately 50% of the original knot pull tensile strenght after 13 to 14 days (6).

The mass degradation of Monosyn® is essentially completed in 60 to 90 days (7).

ABSORPTION PROFILE OF Monosyn®





INDICATIONS (8)

Monosyn® is indicated for use in general soft tissue approximation and/or ligation in:

- I General surgery
- Gyneacology
- Oral surgery
- Skin closure
- Also used in children and neonates (9–14)

$Monosyn^{\mathbb{B}}$

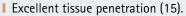
NEW Dermaslide® NEEDLE: A DEFINITIVE CHOICE FOR SKIN CLOSURE

FROM OUR FIRST REVERSE CUTTING TO THE OUT-STANDING Dermaslide® NEEDLE:

Made from 300 series steel.



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







DSMP

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:

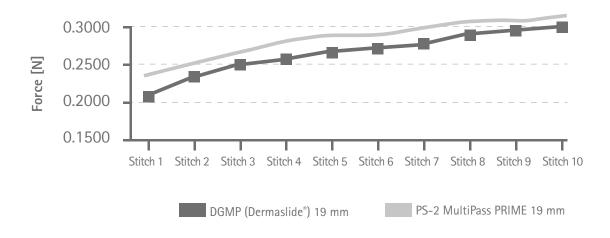
Improvement in the stability of the needle in the grasp of the needle holder (16).





- Improved tissue penetration (15).
- I High bending performance (15).
- I Sharper after multiple stitches compared to classical cutting needle (15).*
- Designed to improve the stability of the needle in the grasp of the needle holder (16).

Dermaslide® PENETRATION PERFORMANCE (17)



A surgical suture should include a needle-thread combination that offers high performance to 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 Monosyn®.



^{*} B. Braun classical cutting needles compared with B. Braun Dermaslide® needles

Monosyn®

YOUR CHOICE FOR SOFT TISSUE APPROXIMATION





PRODUCT OVERVIEW

Monosyn®

Structure	Monofilament
Color	Undyed, Violet
Chemical composition	Glyconate, a polymer made of: 72 % Glycolide 14 % Trimethylene carbonate 14 % ε-caprolactone
Sizes	USP 2 (metric 5) -7/0 (metric 0.5)
Knot tensile strength retention	70 % after 7 days 50 % after 14 days 20 % after 21 days
Mass absorption	Degradation by hidrolysis within 60-90 days
Sterilisation	Ethylene oxide



	Needle		Thread				USP (r	netric)			
				7/0	6/0	5/0	4/0	3/0	2/0	0	1
				(0.5)	(0.7)		(1.5)	(2)	(3)	(3.5)	(4)
1/2 circle i											
	HR 10		70		00000100						
Easyslide	(•)		70 violet		C0022123						
<u>C7</u>			70			C2022008					
			violet								
			45	C0022132							
	HR 13		4 x 45		C0022019						
	(\bullet)		70		C0022007	C0022008	C0022009				
	•		violet								
			70		C0023007	C0023008	C0023009				
Easyslide			undyed								
	HR 13b										
	(•)		70		C0022301						
Easyblack			violet								
	2xHR 13										
	$\mathbf{A} \bullet \mathbf{R}$		70		C0022801	C0022800					
Easyslide			violet								
			70			C2022003	C2022004	C2022005			
			violet								
			70		C0022002	C0022003	C0022004	C0022005			
	HR 17		90		C0022238	C0022810	C0022811				
			120		C0022257	C0022259	C0022262				
	\smile		violet								
			70			C0023003	C0023004	C0023005	C0023006		
Easyslide			undyed								
	HR 17b										
Easyblack	$\setminus \bullet /$		70			C0022616	C0022688	C0022689			
Lasyolack			violet				00000505	00000500			
	HR 17		4 x 45				C0022501	C0022502			
Easyslide			8 x 45				M0022938	M0022939			
Casystiae	0.110.47	take off	violet								
	2xHR 17										
			70			C0022803	C0022804	C0022805			
Easyslide			violet								
	2xHR 17b										
	$\Lambda \bullet D$										
			70				C0022626				
Easyblack			violet								

C Box of 36 units	B Box of 24 units	G Box of 12 units	M Box of 6 units	
C DOX OF 30 diffes	B Box of 24 diffes	G DOX OF 12 diffes	WI BOX OF G WITES	

Needle	Thread				USP (r	netric)			
length		7/0	6/0	5/0	4/0	3/0	2/0	0	1
mm	colour	(0.5)	(0.7)		(1.5)	(2)	(3)	(3.5)	(4)
1/2 circle round bodied needle									
A	70				C2022014	C2022015	C2022016		
<u>) [</u>	violet								
	30					C0022017	C0022018		
HR 22	45		C0022412	C0022413		C0022415			
	70			C0022013	C0022014	C0022015	C0022016		
	90				C0022240	C0022246			
	120				C0022263	C0022519	C0022520		
	violet								
	70				C0023014	C0023015	C0023016		
Easyslide	undyed								
UD 22h	70				C2022659				
∖ HR 22b ∤	violet								
•	8 x 45					M0022148			
	70				C0022659	C0022660	C0022661		
Easyblack	violet								
HR 22	4 x 45				C0022510	C0022511	C0022512		
	8 x 45				M0022695	M0022696			
	4 x 70				C0022061				
<u>Easyslide</u> take off	violet								
∖ HR 22b ∤	8 x 45				M0022627				
	4 x 70				C0022064				
Easyblack take off	violet								
2xHR 22	70				C0022814	C0022815			
	90				C0022914	C0022915			
	violet					00000015			
Focustido	90					C0023915			
Easyslide	undyed								
2xHR 22b	70				C0022632	C0022639			
	90				C0022638				
Easyblack	violet								
	70				C2022024	C2022025	C2022026	C2022027	
	90					C2022425	C2022426		
,	violet								
I IID oo A	30					C0022022	C0022023		
HR 26	70				C0022024	C0022025	C0022026	C0022027	C0022028
	90			C0022423	C0022422	C0022425	C0022426	C0022250	
	120				C0022524	C0022424	C0022525	C0022526	
	violet								
	70				C0023024	C0023025	C0023026		
Easyslide	undyed								

Needle	Thread				USP (r	netric)			
length		7/0	6/0	5/0	4/0	3/0	2/0	0	1
mm		(0.5)	(0.7)		(1.5)	(2)	(3)	(3.5)	(4)
1/2 circle round bodied needle									
	70					C2022357			
\ HR 26b ▮	violet								
•	8 x 45					M0022153			
	70				C0022643	C0022357	C0022358		
Easyblack	violet								
\ HR 26 ▮	4 x 45				C0022521	C0022522	C0022523		
•	8 x 45				M0022260	M0022261			
Easyslide	4 x 70				C0022571	C0022572			
Easyslide \ take o	f violet								
HR 26b	8 x 45					M0022645			
•	8 x 70					M0022646			
Easyblack take o	r violet								
	90					C2022825			
\ 2xHR 26	violet								
• /	20						C0022296		
	70				C0022823	C0022835	C0022836		
	90				C0022824	C0022825	C0022826		
Easyslide	violet								
(2xHR 26b /)									
• //	70					C0022649	C0022654		
	90					C0022650			
Easyblack	violet								
\HR 26 + FR 26 ▮									
• //									
	90						C0022218		
Easyslide	violet								
1 IID 00 # CO	70						C2022086		
HR 26s	violet								
_\ \ \	70				C0022084	C0022085	C0022086	C0022087	C0022088
Easyslide	violet								
Needle	Thread				USP (r				
length		6/0	5/0	4/0	3/0	2/0	0		2
mm	colour	(0.7)	(1)	(1.5)	(2)	(3)	(3.5)	(4)	(5)
HR 26s	70								00000000
\	70				C0022405	C0022402	C0022407	C0022400	C0022089
Easyslide	90				C0022485	C0022486	C0022487	C0022488	
<u>Casystiac</u>	violet								

C Box of 36 units	B Box of 24 units	G Box of 12 units	M Box of 6 units	
C DOX OF 30 diffes	B Box of 24 diffes	G DOX OF 12 diffes	WI BOX OF G WITES	

	Needle		Thread	USP (metric)							
				6/0	5/0	4/0	3/0	2/0	0		2
				(0.7)		(1.5)	(2)	(3)	(3.5)	(4)	(5)
1/2 circle ro		edle									
			70				C2022035	C2022036	C2022037		
			violet				C2022033	C2022030	C2022037		
1	HR 30	1	70			C0022034	C0022035	C0022036	C0022037	C0022038	C0022039
\	•	/	90					C0022496	C0022497		
		_	violet								
			70						C0023037		
Easyslide			undyed								
1	HR 30	1									
\	•		4 x 45				C0022585				
Easyslide		take off	violet				C0022303				
	- 110	£'.	710.00								
\	2xHR 30	1)									
		//	70				C0022435	C0022436			
//		/	90				C0022535	C0022536			
Easyslide			violet								
1	HR 30s										
\	•										
\			70							C0022042	
Easyslide			violet					00000010	0000001=	00000010	
			70 90				C2022445	C2022046	C2022047	C2022048	
ı	HR 37		violet				C2022445				
(•		70			C0022044	C0022045	C0022046	C0022047	C0022048	C0022049
			90				C0022445	C0022446	C0022447	C0022448	
			violet								
			70						C0023045		
Easyslide			undyed								
1	HR 37										
\	•										
			4 x 45					C0022542	B0022543		
Easyslide		take off	violet					0000-1	0000-1	00007:-:	
		A	90					C2022456	C2022457	C2022458	
l	HR 37s		violet 70				C0022055	C0022056	C0022057	C0022058	
\	•		90				20022033	C0022456	C0022457	C0022458	
			violet								
		7	90				C0023930	C0023456	C0023081		
			120							B0023470	
Easyslide			undyed								

Needle	Thread				USP (r	netric)			
length		6/0	5/0	4/0	3/0	2/0	0		2
mm	colour	(0.7)	(1)	(1.5)	(2)	(3)	(3.5)	(4)	(5)
1/2 circle round bodied needle									
HR 37s									
•									
	4 x 70					C0023546			
Easyslide take off	undyed								
	70						C2022067	C2022068	
HR 40s	90						C2022467	C2022468	
	violet					_	_	_	
	70					C0022066	C0022067	C0022068	C0022069
Easyslide	90 violet					C0022466	C0022467	C0022468	B0022469
	VIOLET								
HR 40s									
\									
	4 x 45						B0022548		
Easyslide take off	violet								
	90							C2022078	
HR 48 ■	violet 90					C0022076	C0022077	C0022078	B0022079
•	120					C0022070	C0022077	B0022578	D0022079
	140							B0022290	
	150						B0022292		
	violet								
	120						B0023479	B0023478	
Easyslide	undyed								
HR 48									
	4 x 45							B0022554	
Easyslide take off	violet							00022334	
LEKE OII	7,0,00								
HR 60									
•									
	90							B0022490	
Easyslide	violet								
HR 65									
•									
	00					D0022402			
Easyslide	90 violet					B0022492			
	VIOICE								

C Box of 36 units	B Box of 24 units	G Box of 12 units	M Box of 6 units	

Needle	Thread				USP (r	netric)			
length		6/0	5/0	4/0	3/0	2/0	0		
mm		(0.7)		(1.5)	(2)	(3)	(3.5)	(4)	(5)
1/2 circle round bodied needle									
HR 70									
•									
	70							B0022760	
Easyslide	violet							B0022760	
HR 76									
•									
	90							B0022493	Danaa .a .
Easyslide	150 violet								B0022494
	VIOLET								
5/8 circle round bodied needle									
FR 13	90		C0022606	C0022607					
Easyslide	violet		00022000	00022007					
FR 17									
(•)	90		C0022610	C0022611					
Easyslide	violet								
FR 22 ●	90		C0022614	C0022615					
Easyslide	violet		C0022011	60022010					
	70					C2022620	C2022621		
	violet			_	_	_	_		
FR 26	70 90			C0022618	C0022619	C0022620 C0022625	C0022621		
	violet					C0022625			
	70				C0023622	C0023620			
Easyslide	undyed								
2xFR 26									
\ı ● Jí	70			C0022734	C0022735	C0022736			
Easyslide	90 violet				C0022727	C0022740			
	70				C0022635	C0022636	C0022637		
FR 36	violet								
_ \ \ \	70						C0023618		
Easyslide	undyed								
2xFR 36									
\(\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \					0000	0000	0000		
Easyslide	90				C0022729	C0022730	C0022731		
Lasysiluc	violet								

	Needle	Thread				USP (r	netric)			
			6/0	5/0	4/0	3/0	2/0	0		2
			(0.7)		(1.5)	(2)	(3)	(3.5)	(4)	(5)
5/8 circle										
	FR 36 + FR 26									
	(• 12 ·									
		90					C0022151			
Easyslide		violet								
	FR 40	70					C0022629	C0022630		
'		90						C0022670		
Easyslide		violet								
Straight ro	ound bodied needle									
Easyslide	GR 19	30			C0022410	C0022406				
		violet								
Easyslide	GR 65	90				C0022679				B0022302
		violet								
Easyslide	2xGR 65									
		70 violet					C0022575			
Ski Needle	e round bodied needle	Violet								
Jiii ricean	SKR 19									
- 	V ■ 19	120				C0022714				
Easyslide		violet 30				C0022715	C0022716			
\	SKR 26	120				C0022717	C0022718			
Easyslide		violet								
3/8 circle	round bodied needle wit	h short cutting po	int							
	DRC 10	70	C0022382							
Easyslide	<u> </u>	violet								
	DRC 12	70	C0022392	C0022403						
Easyslide	\bigcirc	violet	20022002	30022103						
	2xDRC 12									
Easyslide		70	C0022832	C0022845						
Casyside	DRC 22	violet								
	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	70			C2022354	C2022355				
Easyslide		violet								
_	DRC 26 ✓	70					C20222CC			
Easyslide		70 violet					C2022366			
	_									

C Box of 36 units	B Box of 24 units	G Box of 12 units	M Box of 6 units	

Needle	Thread				USP (r	metric)			
length		6/0	5/0	4/0	3/0	2/0	0		2
mm		(0.7)	(1)	(1.5)	(2)	(3)	(3.5)	(4)	(5)
1/2 circle round bodied needle with sho									
HRC 26									
	70				C2022305				
Easyslide	violet								
3/8 circle round bodied needle with tro									
DRT 18	70		C0022343	C0022344					
Easyslide	violet		C0022545	C0022544					
DRT 22									
Easyslide	70			C0022354	C0022355				
DRT 26	violet								
lack	70				C0022365	C0022366			
Easyslide	violet								
DRT 32	70					C0022376	C0022377	C0022378	
Easyslide	violet								
1/2 circle round bodied needle with tro									
HRT 13									
Easyslide	70	C0022310	C0022311						
HRT 17	violet								
\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	70	C0022322	C0022323	C0022324	C0022325	C0022326			
Easyslide	violet								
2xHRT 17									
	70			C0022724	C0022725				
Easyslide	violet			C0022724	C0022723				
2xHRT 22									
	70			C0022330	C0022331				
Easyslide	90 violet			C0022430	C0022431				
	70			C0022304	C0022305	C0022306	C0022307	C0022308	
→ HRT 26 →	90					C0022255	C0022507	C0022508	
	120					C0022300			
Easyslide 200 Miles	violet								
2xHRT 26									
	70			C0022404	C0022405				
Easyslide	violet			20022704	20022703				
HRT 30									
lack	70				C0022335	C0022336	C0022337	C0022338	
Easyslide	violet				C0022333	C0022330	20022337	C0022330	

Needle	Thread				USP (r	netric)			
length 		6/0	5/0	4/0	3/0	2/0	0	1 1	2
mm		(0.7)	(1)	(1.5)	(2)	(3)	(3.5)	(4)	(5)
1/2 circle round bodied needle with tr	ocar point								
2xHRT 30 (
Easyslide	70 violet				C0022440	C0022441			
HRT 37	violet								
\ ⊕	70				C0022315	C0022316	C0022317	C0022318	
	90				C0022313	C0022516	C0022517	C0022518	
Easyslide	violet								
HRT 40 ⊕									
	90						C0022527	C0022528	
Easyslide	violet						C0022527	C0022528	
HRT 48									
\oplus									
	90 150						C0022332	C0022333 B0022334	
Easyslide	violet							D0022334	
3/8 circle round bodied needle with bl	unt point								
DRN 64									
	90							B0022400	
Easyslide	violet								
1/2 circle round bodied needle with bl	unt point								
HRN 35									
\	70					C0022283			
Easyslide	violet					C0022203			
HRN 45									
Easyslide	90 violet							C0022438	
HRN 50	, ioict								
Fourlida	90							C0022453	
Easyslide	violet								

C Box of 36 units	B Box of 24 units	G Box of 12 units	M Box of 6 units	

Needle	Threa	d			USP (r	netric)			
length			5/0	4/0	3/0	2/0	0	1 (1)	2
mm		(0.7)		(1.5)	(2)	(3)	(3.5)	(4)	(5)
1/2 circle round bodied needle wi									
HRB 26									
\									
	8 x 4				M0022871				
Easyslide	take off violet								
HRB 37s									
Focustida	90						C0022707	C0022708	
Easyslide	violet								
HRB 37s									
	0 4	-				M0022287	Mooaaaaa	M0022001	
Easyslide	8 x 4					IVIUU22287	M0022890	M0022891	
HRB 48									
	/								
	8 x 4	5					M0022880	M0022881	
Easyslide	take off violet								
3/8 circle reverse cutting needle									
	70	C2023412	C2023413	C2023414					
	unuyet								
DS 12	45	C0022102	C0022103	C0022104					
▼ /	70 violet	C0022109	C0022210						
	45	C0023102	C0023103						
	70	C0023412	C0023413	C0023414					
Easyslide	undye	d							
	√25 √21		C2022419						
	violet			C2023303					
	J <u></u>		C2023423	C2023424	C2023425				
DS 16	undye	t							
\ ▼ /	45		C0022419	C0022420	C0022421				
	70			C0022220					
	violet 45	C0023562	C0023563	C0023303					
	70	C0023302	C0023303	C0023303	C0023425				
Easyslide	undye	t							

Needle		Thread				USP (r	netric)			
length			6/0	5/0	4/0	3/0	2/0	0		2
mm			(0.7)		(1.5)	(2)	(3)	(3.5)	(4)	(5)
3/8 circle reverse cutting needle										
	æ	45			C2022504					
•		70			C2022204	C2022205				
J	الكار	violet								
	A	45			C2023204	C2023205				
	A A	70		C2023403	C2023404	C2023405				
DS 19	ب <u>ن</u> ار -	undyed								
\ \		45		C0022503	C0022504	C0022505				
		70			C0022204	C0022205	C0022239			
		90			C0022904	C0022905				
		120			C0022081	C0022264				
		violet 45		C0023503	C0023204	C0023205	C0023506			
		70		C0023303	C0023204 C0023404	C0023205	C0023306			
Easyslide		undyed		C0023+03	C0023404	C0023403	C0023400			
	-	70				C2022215	C2022216	C2022217		
		violet								
	_	70			C2023214	C2023215	C2023216			
J		undyed								
		45				C0022115				
DS 24		70			C0022214	C0022215	C0022216	C0022217		
\ * /		90				C0022225	C0022226	C0022251		
		120				C0022267	C0022286	C0022289		
		violet								
		45			C0023114	C0023115	C0023116			
		70			C0023214	C0023215	C0023216	C0023181	C0023182	
. 		90				C0023210				
Easyslide	_	undyed					C2022224	C2022222	Cananana	
	R	70 violet					C2022231	C2022232	C2022233	
		70					C0022231	C0022232	C0022233	
DS 30		90					C0022251	C00223349	C0022233	
\ * /		120					C0022291	C0022293		
		violet								
		45					C0023201			
		70			C0023207	C0023435	C0023436	C0023437		
Easyslide		undyed								
DS 39										
\ ' /		70					C0023191			
Easyslide		undyed					20023131			

C Box of 36 units	B Box of 24 units	G Box of 12 units	M Box of 6 units	
C DOX OF 30 diffes	B Box of 24 diffes	G DOX OF 12 diffes	WI BOX OF G WITES	

Needle	Thread				USP (r	netric)			
length		6/0	5/0	4/0	3/0	2/0	0		2
mm		(0.7)		(1.5)	(2)	(3)	(3.5)	(4)	(5)
1/2 circle reverse cutting needle									
	70			C0022234					
UC 10	90			C0022254					
HS 18	120			C0022295					
	violet								
	70		C0023263	C0023264					
Easyslide	undyed								
2xHS 18									
\ * <i>)</i> /	20			00000074					
Easyslide	30			C0023674					
_	undyed 70				C2023225				
HS_23 🔎	undyed				CZUZ3ZZ3				
(•)	70			C0023224	C0023225	C0023226			
Easyslide	undyed								
	70				C2022236	C2022237			
A A	90				C2022072	C2022299			
	violet								
HS 26	70				C0022236	C0022237			
(')	90				C0022072	C0022299			
	120				C0022080	C0022074			
	violet								
	70				C0023239	C0023240			
Easyslide	undyed					_			
	70					C2022242	C2022243		
	violet				C0022241	C0022242	C0022242		
HS 26s	70 90				C0022241	C0022242 C0022053	C0022243 C0022052		
\	120					C0022053	C0022082		
	violet					C0022073	C0022002		
_	70							C0023230	
Easyslide	undyed								
HS 30									
	70					C0023250	C0023251		
Easyslide	undyed								
HS 37									
\ •						_			
	70				C0023235	C0023236	C0023237	C0023238	
Easyslide	undyed								

	Needle		Thread				USP (r	netric)			
				6/0	5/0	4/0	3/0	2/0	0		2
			colour	(0.7)		(1.5)	(2)	(3)	(3.5)	(4)	(5)
1/2 circle re											
		A	70						C2022248	C2022249	
		_ <u> </u>	violet					00000047	00000040	00000040	
- 1	HS 37s ▼		70 90					C0022247 C0022461	C0022248 C0022477	C0022249 C0022478	
			120					C0022297	C0022108	C0022176	
			violet								
			70					C0023243	C0023244		
Easyslide	UC 07	_	undyed								
	HS 37ss ▼										
			70					C0022256			
Easyslide			violet								
1	HS 40		70 90								C0022309 B0022269
\	▼	/	120								B0022298
		/	violet								
			90						C0023247	C0023248	
Easyslide			undyed								
l	HS 48 ▼		90								B0022279
_ \			violet								
		7	90						C0023259	C0023258	
Easyslide			undyed								
5/8 circle re											
	FS 25										
	(* /		70				C0023220				
Easyslide			undyed								
Straight rev											
Easyslide	GS 13		45			C0023131					
			undyed			C0023131					
Easyslide	GS 51					0000	0000	0000			
	GS 51		70 undyed			C0023279	C0023280	C0023281			
Easyslide		n	70				C2023285				
	<u>P</u>	ļ	undyed								
	GS 60 ▼		70				C0022062				
	·,	-	violet			C0022284	C0022205	C002228C			
			70 undyed			C0023284	C0023285	C0023286			

C Box of 36 units	B Box of 24 units	G Box of 12 units	M Box of 6 units
C DOX OF SO UTILES	B BOX OF 24 diffes	G DOX OF 12 diffes	IVI DOX OF O UTILES

	Needle		Thread				USP (r	netric)			
				6/0	5/0	4/0	3/0	2/0	0		
				(0.7)	(1)	(1.5)	(2)	(3)	(3.5)	(4)	(5)
3/8 circle Trap											
[DGMP 11		45	C0023709	C0023705						
	V		undyed								
	OGMP 13		45	C0023710	C0023706	C0023702					
	\bigvee^{\triangledown}		undyed	60020710	20020700	60020702					
	DGMP 16		45		C0023707	C0023703					
\	▼ /		70				C0023711				
			undyed			00000704	00000740				
			45 70			C2023704	C2023712 C2023701				
0	OGMP 19		undyed				C2023701				
\	√♥ノ		45		C0023708	C0023704					
			70			C0023012	C0023701				
			undyed				00000747				
	DGMP 24	Æ	70 undyed				C2023717				
	. ▼ /		70				C0023717				
			undyed								
	Needle		Thread				USP (r	netric)			
				8/0	7/0	6/0	5/0	4/0	3/0	2/0	0
				(0.4)	(0.5)	(0.7)	(1)	(1.5)	(2)	(3)	(3.5)
3/8 circle reve											
			45		C0022647	C0022648					
	DSMP 7 ▼		violet		C0022C47						
Easyslide	Ů		45 undyed		C0023647						
			45			C2023642	C2023643				
			undyed								
	DSMP 11		45		C0022644	C0022601	C0022602				
	\checkmark		violet		00000044	00000040	C0000040				
Easyslide			45 undyed		C0023641	C0023642	C0023643				
<u> </u>			45				C2023603	C2023604			
	DSMP 13	undyed									
			45		C0022608	C0022432	C0022433	C0022434			
	\checkmark		violet		C0022004	00000000	00000000	C0022024	0000000		
Easyslide			45 undyed		C0023601	C0023602	C0023603	C0023604	C0023605		
Casystac .			unayea								

Needle	Thread				USP (r	netric)			
length		8/0	7/0	6/0	5/0	4/0	3/0	2/0	0
mm		(0.4)	(0.5)	(0.7)		(1.5)	(2)	(3)	(3.5)
3/8 circle reverse cutting needle with									
	45				C2023613	C2023614			
	70					C2023163			
	unuyeu				00000500				
DSMP 16	45 violet				C0022563				
\ <u>`</u> _	45				C0023613	C0023614			
•	70				C0023162	C0023113			
	45				C0023612				
Easyslide	undyed								
	45					C2023624	C2023625		
	/0					C2023627	C2023628		
	unayea					00000444			
DSMP 19	45 70					C0022444 C0022141			
· ·	violet					C0022141			
	45				C0023623	C0023624	C0023625		
	70					C0023627	C0023628		
Easyslide	undyed								
	45					C2023634	C2023633		
<u></u>	/0					C2023632	C2023635	C2023636	
DSMP 24	unayea						0000000		
▼	70 violet						C0022685		
	45					C0023634	C0023633	C0023637	
	70					C0023632	C0023635	C0023636	
Easyslide	undyed								
DSMP 24s									
▼ /	70						C0023638		
Easyslide	undyed								
1/2 circle reverse cutting needle with	precision poin	t							
HSMP 9	45			C0023651		C0023608			
Easyslide	undyed			23320001		23320000			
HSMP 15	,								
(V	45					C0023615			
Easyslide	undyed								

C Box of 36 units B Box of 24 units G Box of 12 units M Box of 6 units	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				USP (r	netric)			
		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									
3 threads of 45 cm	3 x 45 violet		C0020003	C0020004	C0020005	C0020006	C0020007	C0020008	
6 threads of 45 cm	6 x 45 violet			C0020014	C0020015	C0020016	B0020017	B0020018	
5 threads of 70 cm	5 x 70 violet			C0020024	C0020025	C0020026	C0020027	B0020028	
1 thread of 140 cm	1 x 140 violet				C0020035	C0020036	C0020037	C0020038	
6 threads of 45 cm	6 x 45 undyed					C0023811			
Ligature reels									
1 thread of 250 cm	1 x 250 violet					G0020046	G0020047	G0020048	
1 thread of 250 cm	1 x 250 undyed					G0021246	G0021247		

Needle	Thread				USP (r	netric)			
length		7/0	6/0	5/0	4/0	3/0	2/0	0	1
mm		(0.5)	(0.7)		(1.5)	(2)	(3)	(3.5)	(4)
1/2 circle round bodied needle									
HR_10	70		C0022123						
Easyslide	violet		C0022123						
	70			C2022008					
P	violet								
	45	C0022132							
HR 13	4 x 45		C0022019						
	70		C0022007	C0022008	C0022009				
	violet		_	_	_				
. =	70		C0023007	C0023008	C0023009				
Easyslide	undyed								
HR 13b	70		00000001						
Easyblack	70 violet		C0022301						
	VIOIEL								
2xHR 13 \	70		00000001	00000000					
Easyslide	70 violet		C0022801	C0022800					
	70			C2022003	C2022004	C2022005			
A	violet			C2022003	C202200+	C2022003			
	70		C0022002	C0022003	C0022004	C0022005			
HR 17	90		C0022238	C0022810	C0022811				
(•)	120		C0022257	C0022259	C0022262				
	violet								
	70			C0023003	C0023004	C0023005	C0023006		
Easyslide	undyed								
HR 17b	70			C0022616	C0022688	C0022689			
Easyblack	violet			CUU22010	CUU22000	CUU22009			
	4 x 45				C0022501	C0022502			
\ HR 17 → /	8 x 45				M0022938	M0022939			
<u>Easyslide</u> take off	violet								
2xHR 17	70			C0022803	C0022804	C0022805			
Easyslide	violet			20022003	20022004	20022003			
2xHR 17b									
Essyblack	70 violet				C0022626				

C Box of 36 units B Box of 24 units G Box of 12 units M Box of 6 units
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- (1) Mangram AJ, Horan TC, Pearson ML, Silver LC, Jarvis WR. Guideline for Prevention of Surgical Site Infection, 1999. Centers for Disease Control and Prevention (CDC) Hospital Infection Control Practices Advisory Committee. Am J Infect Control. 1999;27(2):97–132.
- (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) Buresch A, Van Arsdale A, Ferzli M, Bernstein P, Garry D, Ngai I. Comparison of subcuticular suture type in post-cesarean wound complications: A randomized controlled trial American Journal of Obstetrics and Gynecology. 2017;216:1 Supplement 1 (S25).
- (4) Won H-S, Lee S-W, Kim Y-M, Kim A. Clinical usefulness and safety of the anti-bacterial coated multi lament suture (Vicryl Plus*) and mono lament suture (Monosyn*) in hysterectomy BJOG: An International Journal of Obstetrics and Gynaecology. 2012;119 SUPPL. 1 (44)
- (5) 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;83(2):
- (6) RDR/02/FF1526/JLT-C.
- (7) Data on file: In vivo test Ra 572.
- (8) IFU Monosyn®.
- (9) Van der Linden YTK, Boersmal D, Van Poll D, Lips DJ, Prins HA. Single-Port Laparoscopic Appendectomy in Children: Single Center Experience in 50 Patients. Acta Chirurgica. 2015;115:118-22.
- (10) Oh C, Lee S, Lee SK, Seo JM et al. Laparoscopic duodenoduodenostomy with parallel anastomosis for duodenal atresia. Surg Endosc. 2016;31:2406.
- (11) Koo EJ, Jung E, Choi SO. Laparoscopic Choledochal Cyst Excision and Hepaticojejunostomy: A Case Series. J Minim Invasive Surg. 2017;20(2):58-62.
- (12) Lee S, Lee SK, Seo JM. Thoracoscopic repair of esophageal atresia with tracheoesophageal fistula: Overcoming the learning curve. Journal of Pediatric Surgery. 2014;49(11): 1570-2
- (13) Oh C, Lee S, Lee SK, Seo JM. Difference of Postoperative Stool Frequency in Hirschsprung Disease According to Anastomosis Level in a Single-Stage, Laparoscopy-Assisted Transanal Endorectal Pull-Through Procedure. Medicine (Baltimore). 2016;95(14):e3092.
- (14) Salmerón-González E, García-Vilariño E, Gutiérrez-Ontavilla P, Miró-Rubio I, López-Blanco E. Evaluation and comparison of two different cartilage-sparing techniques in 356 otoplasties performed in children. Annals of Pediatric Surgery. 2018;14(3):143-5.
- (15) B. Braun Test Report 113_139/A Benchmark Cosmetic Needles: Ethicon-Covidien-SetR.
- (16) B. Braun R&D Testing Services Report (RDR-22-13110-FJB-CMY).
- (17) Data on file (2013), determinated by Penetration measurement protocol SXMAD/05/A 20/03/06.
- (18) RDR/02/FF/1511/JLT-A.

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Information according to Regulation (EU) 2017/745 and Council Directive 93/42/EEC respectively:



Manufacturer

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